

*ONLY STANDARD SHEETS MARKED WITH AN "✓" ARE IN THIS PROJECT #				**REVISED OR ADDED			
✓*	SHEET NO.	TITLE	APPROVAL DATE**	✓*	SHEET NO.	TITLE	APPROVAL DATE**
	HW-506_01	ENDWALLS, SLOPE PAVED INLETS AND OUTLETS	1-26-12		HW-821_05a	TRANSITION - 45" (1145) F-SHAPE TO 54" (1372) VERTICAL SHAPE SHEET 1	1-26-12
	HW-506_02	TYPE "D-G" & "L" ENDWALLS	7-13-12		HW-821_05b	TRANSITION - 45" (1145) F-SHAPE TO 54" (1372) VERTICAL SHAPE SHEET 2	1-26-12
	HW-506_03	ENDWALLS FOR PIPE ARCH	9-18-09		HW-821_06	54" (1372) VERTICAL SHAPE BARRIER	2-6-12
✓	HW-507_01	TYPE "C", "C-L" & DROP INLET CATCH BASIN	7-24-13		HW-821_07	MISCELLANEOUS DETAILS FOR BARRIER TRANSITIONS	7-12-12
	HW-507_02	TYPE "C", "C-L" & DOUBLE GRATE TYPE - I	7-24-13	✓	HW-822_01	TEMPORARY PRECAST CONCRETE BARRIER CURB	7-24-13
	HW-507_03	TYPE "C", "C-L" & DOUBLE GRATE TYPE - II	7-24-13		HW-905_01	FENCES AND BARWAYS	7-13-12
	HW-507_04	TYPE "C", "C-L" & ROUND PRECAST CONCRETE CB	11-10-11	✓	HW-910_01	W- BEAM METAL BEAM RAIL HARDWARE	6-09-11
	HW-507_05	TYPE "C" & "C-L" PRECAST CONCRETE CB DOUBLE GRATE TYPE - I	11-10-11	✓	HW-910_02	METAL BEAM RAIL (TYPE R-B 350) GUIDERAIL	6-09-11
	HW-507_06	TYPE "C" & "C-L" PRECAST CONCRETE CB DOUBLE GRATE TYPE - II	11-10-11		HW-910_03	METAL BEAM RAIL (TYPE MD-B 350)	6-09-11
✓	HW-507_07	TYPE "C" & "C-L" CATCH BASIN TOPS AND CURBS	11-10-11		HW-910_04	METAL BEAM RAIL (TYPE R-B 350) SYSTEMS 5, 5A, & 6	6-09-11
✓	HW-507_08	CATCH BASIN FRAMES AND GRATES	9-18-09		HW-910_05	METAL BEAM RAIL R-B 350 SPAN TYPE I, II, III SECTIONS	7-24-13
	HW-507_09	HEAVY DUTY LOCK DOWN TOPS	7-12-12	✓	HW-910_06	R-B 350 BRIDGE ATTACHMENT SAFETY SHAPE PARAPET	6-09-11
	HW-507_10	MANHOLE - FRAME & COVER	7-24-13		HW-910_07	R-B 350 BRIDGE ATTACHMENT VERTICAL SHAPE PARAPET	6-09-11
✓	HW-601_01	FIGURES FOR DATES ON BRIDGE PARAPETS	6-09-11		HW-910_08	R-B 350 BRIDGE ATTACHMENT TRAILING END	6-09-11
	HW-651_01	C.C.M. PIPE INSTALLATIONS IN FILL & ROCK SLOPES & PIPE TRENCH DETAIL	7-24-13		HW-910_09a	MISCELLANEOUS GUIDERAIL TRANSITIONS SHEET 1	1-26-12
	HW-651_02	SLOTTED DRAIN PIPE 12"- 15"-18"-24"-30" (305-381-457-610-762)	7-12-12		HW-910_09b	MISCELLANEOUS GUIDERAIL TRANSITIONS SHEET 2	7-25-12
	HW-652_01	PIPE ENDS	7-24-13		HW-910_10	METAL BEAM RAIL 8" (203) X 6" (152) BOX BEAM	7-24-13
	HW-751_01	UNDERDRAINS AND UNDERDRAIN OUTLETS	7-12-12		HW-910_11	CURVED GUIDERAIL TREATMENT DETAIL	7-25-12
	HW-803_01	PAVED DITCH AND PAVED APRON	7-12-12		HW-910_12a	MERRITT PARKWAY GUIDERAIL ATTACHMENT - SYSTEM 2 & 3	7-24-13
✓	HW-811_01	CURBING	7-12-12		HW-910_12b	MERRITT PARKWAY GUIDERAIL	7-24-13
	HW-813_01	GRANITE STONE TRANSITION CURBING	7-24-13		HW-910_12c	MERRITT PARKWAY GUIDERAIL TRAILING END ATTACHMENTS	7-24-13
	HW-821_01a	TRANSITION 45" (1145) F-SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 1	1-26-12		HW-910_12d	MERRITT PARKWAY MEDIAN GUIDERAIL AND END ANCHOR	6-09-11
	HW-821_01b	TRANSITION 45" (1145) F-SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 2	10-18-10		HW-910_13a	THRIE-BEAM METAL BEAM RAIL HARDWARE	7-24-13
	HW-821_01c	TRANSITION 45" (1145) F-SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 3	1-26-12		HW-910_13b	THRIE-BEAM TRANSITIONS	7-24-13
	HW-821_02a	45" (1145) F-SHAPE PRECAST CONCRETE BARRIER CURB SHEET 1	7-24-13		HW-910_14a	THRIE-BEAM 350 BRIDGE ATTACHMENT	6-09-11
	HW-821_02b	45" (1145) F-SHAPE PRECAST CONCRETE BARRIER CURB SHEET 2	7-24-13		HW-910_14b	THRIE-BEAM 350 GUIDERAIL TRANSITION TO R-B 350 GUIDERAIL	6-09-11
	HW-821_03a	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 1	1-26-12		HW-910_15	MD-B 350 MEDIAN BARRIER SAFETY SHAPE ATTACHMENT TYPE I	6-09-11
	HW-821_03b	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 2	10-18-10		HW-910_16	MD-B 350 MEDIAN BARRIER SAFETY SHAPE ATTACHMENT TYPE II	6-09-11
	HW-821_03c	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 3	10-18-10		HW-910_17	R-B TERMINAL SECTION	7-24-13
	HW-821_03d	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 4	10-18-10		HW-910_18	METAL BEAM RAIL (TYPE MD-I)	10-18-10
	HW-821_03e	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) F-SHAPE	7-24-13		HW-910_19a	METAL BEAM RAIL (MODIFIED TYPE R-I) AND END ANCHORAGE TYPE I	7-24-13
	HW-821_04a	MERRITT PARKWAY NARROW MEDIAN BARRIER	6-09-11		HW-910_19b	METAL BEAM RAIL (MODIFIED TYPE R-I) AND END ANCHORAGE TYPE II	7-24-13
	HW-821_04b	MERRITT PARKWAY - 2' (610) WIDE MEDIAN BARRIER AND ROADSIDE BARRIER	7-24-13		HW-910_19c	METAL BEAM RAIL (MODIFIED TYPE R-I) SYSTEMS 2 AND 3	7-24-13

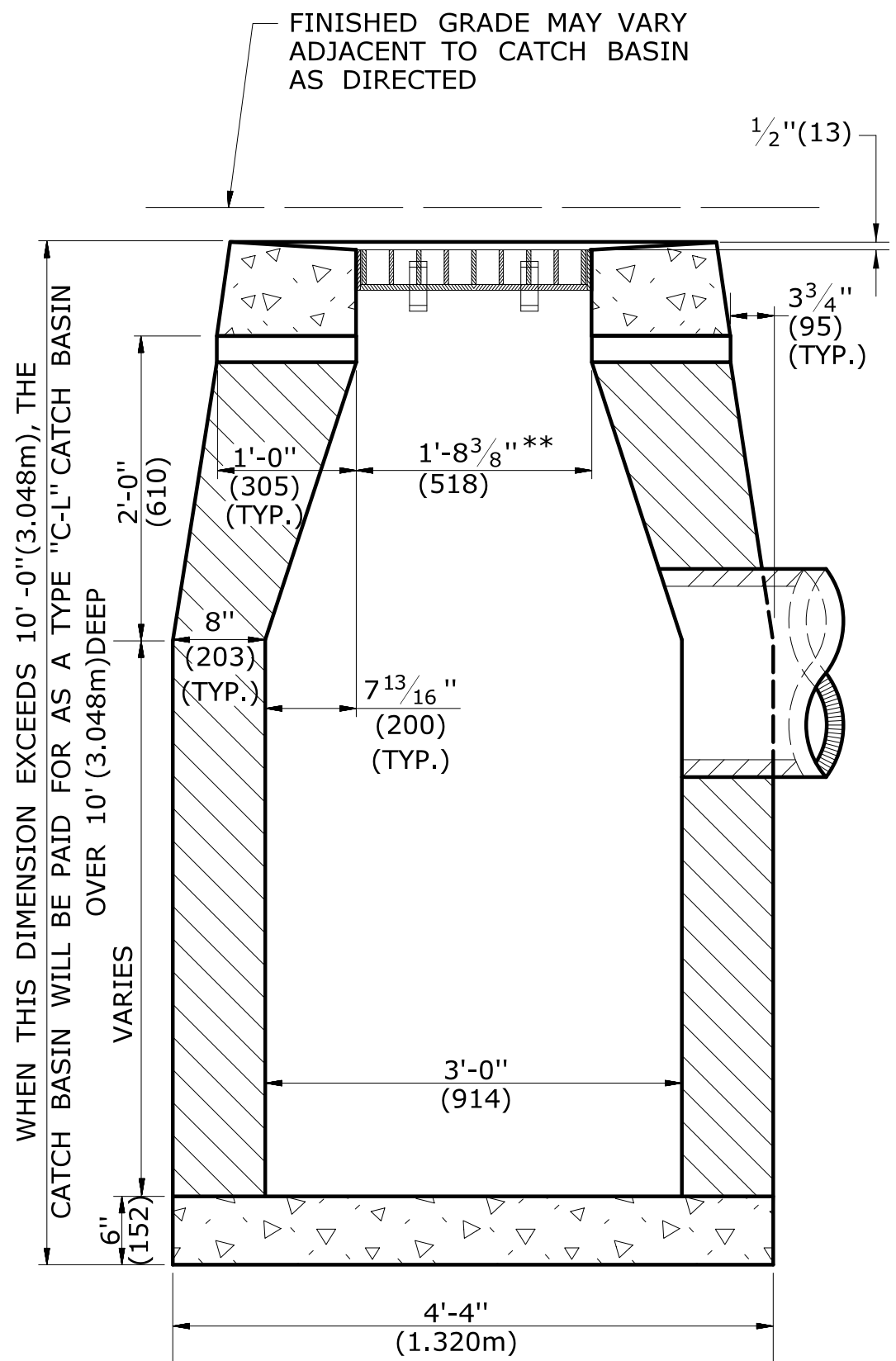
**\*ONLY STANDARD SHEETS MARKED WITH AN "✓" ARE IN THIS PROJECT #**

**\*\*REVISED OR ADDED**

 *	SHEET NO.	TITLE	APPROVAL DATE**
	HW-911_01	R-B END ANCHORAGE TYPE I AND II	7-24-13
	HW-911_02	MD-B END ANCHORAGE TYPE I	10-18-10
	HW-911_03	ANCHOR IN EARTH CUT SLOPE & ANCHOR IN ROCK CUT SLOPE	10-18-10
	HW-911_04	TYPICAL GRADING PLAN FOR W-BEAM GUIDERAIL TURN-DOWN END ANCHOR	10-18-10
	HW-911_05	MERRITT PARKWAY GUIDERAIL END ANCHORS	7-24-13
	HW-913_01	CHAIN LINK FENCE	7-12-12
	HW-918_01a	THREE CABLE GUIDERAIL (I-BEAM POSTS) SHEET 1	7-24-13
	HW-918_01b	THREE CABLE GUIDERAIL (I-BEAM POSTS) SHEET 2	1-26-12
	HW-918_01c	THREE CABLE GUIDERAIL (I-BEAM POSTS) SHEET 3	7-24-13
	HW-921_01	DRIVEWAY RAMPS AND SIDEWALKS	1-26-12
	HW-925_01	PAVEMENT FOR RAILING	6-09-11
	HW-949_01	PLANTING DETAILS FOR TREES	7-12-12
	HW-949_02	PLANTING DETAILS FOR SHRUBS	7-12-12
	HW-1800_01	GRADING PLAN FOR TYPE B IMPACT ATTENUATION SYSTEM (FLARED)	6-20-11
	HW-1800_02	GRADING PLAN FOR TYPE B IMPACT ATTENUATION SYSTEM (MEDIAN/GORE)	6-09-11
	HW-1800_03	GRADING PLAN FOR TYPE B IMPACT ATTENUATION SYSTEM (TANGENTIAL)	6-20-11
	HW-1806_01a	CT TRUCK MOUNTED IMPACT ATTENUATOR SHEET 1	10-18-10
	HW-1806_01b	CT TRUCK MOUNTED IMPACT ATTENUATOR SHEET 2	10-18-10
	HW-1806_01c	CT TRUCK MOUNTED IMPACT ATTENUATOR SHEET 3	10-18-10
			
			
			
			
			
			
			
			
			
			
			
			
			

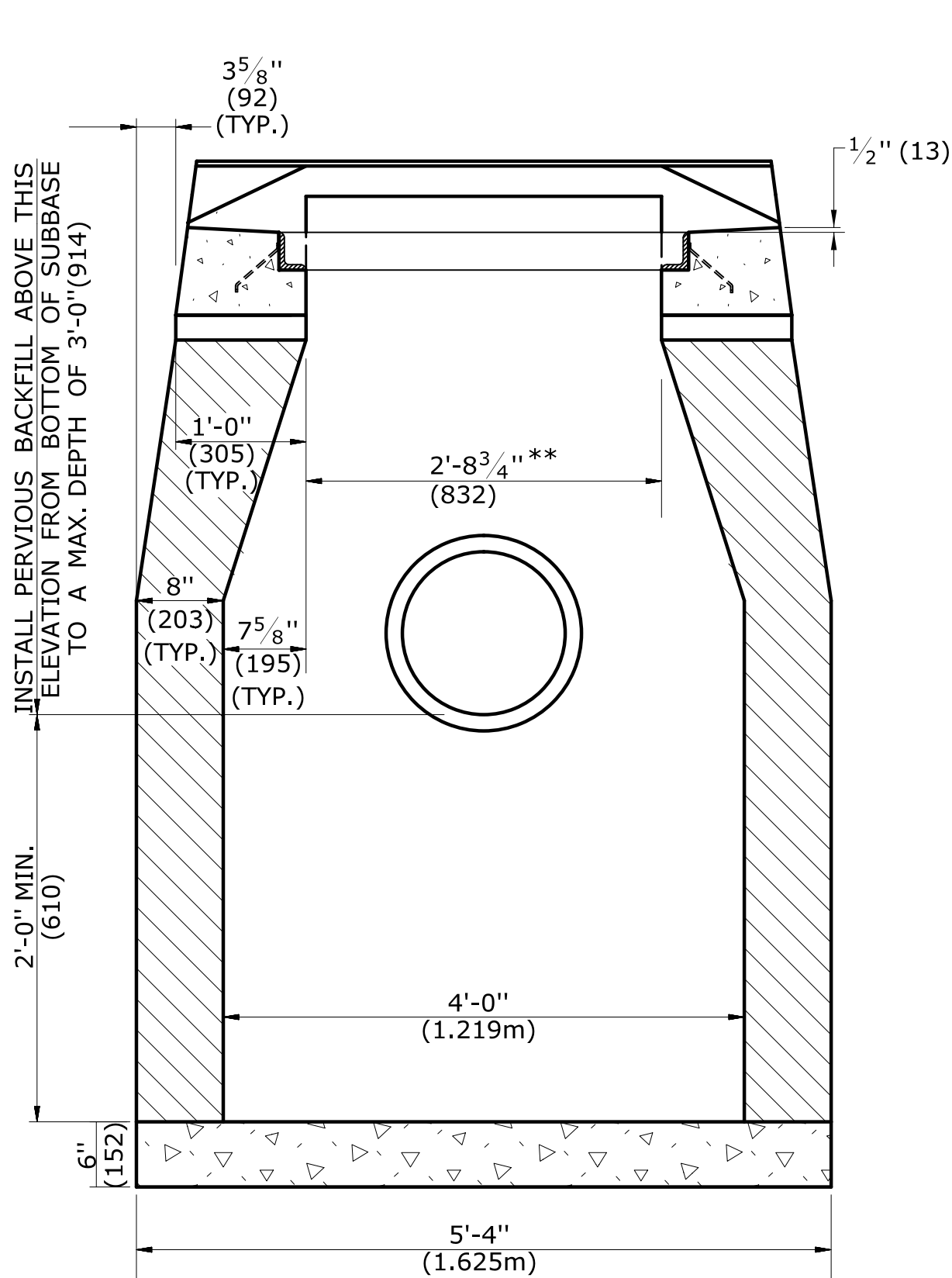
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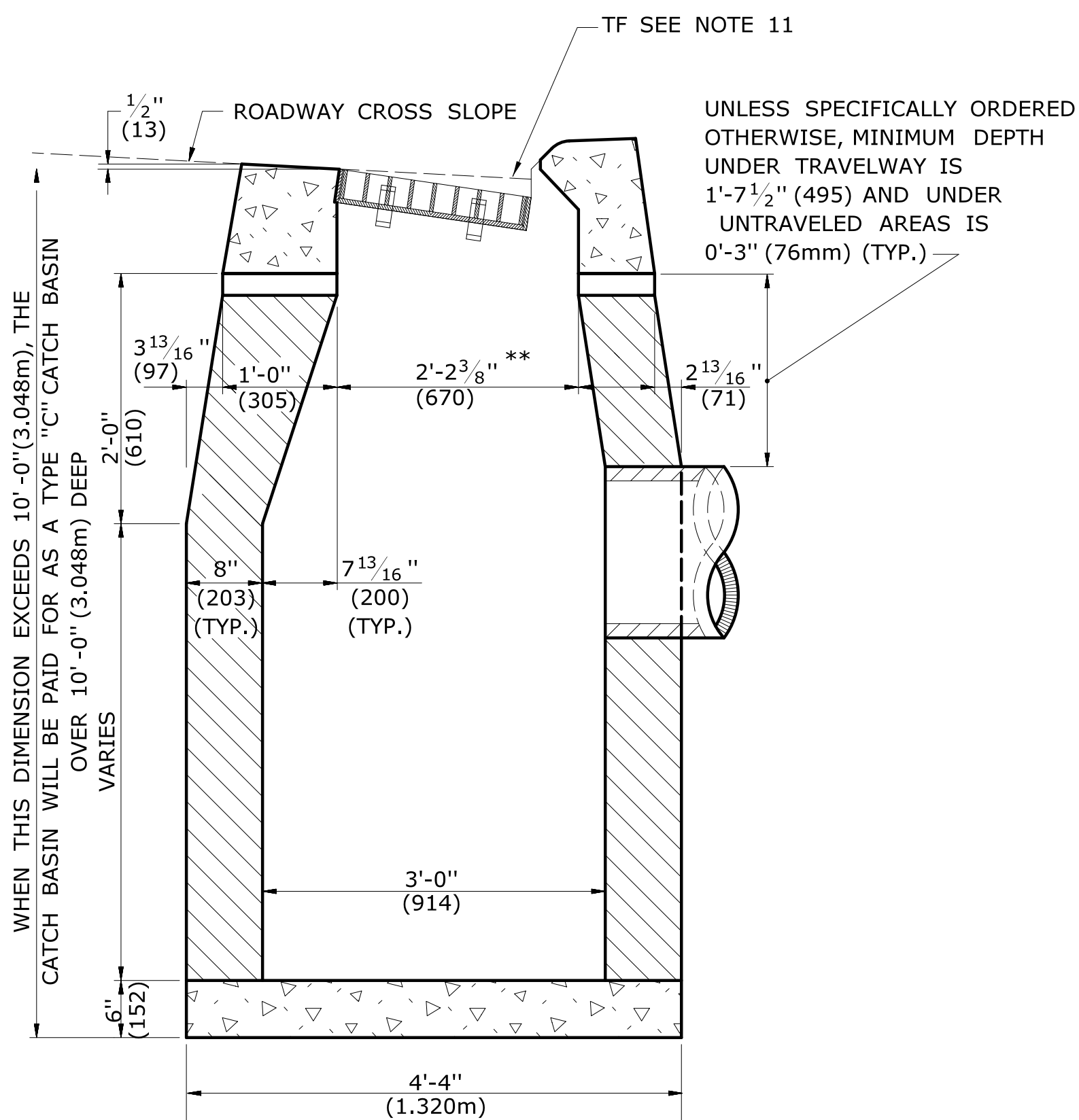
SECTION B

TYPE "C-L" CATCH BASIN



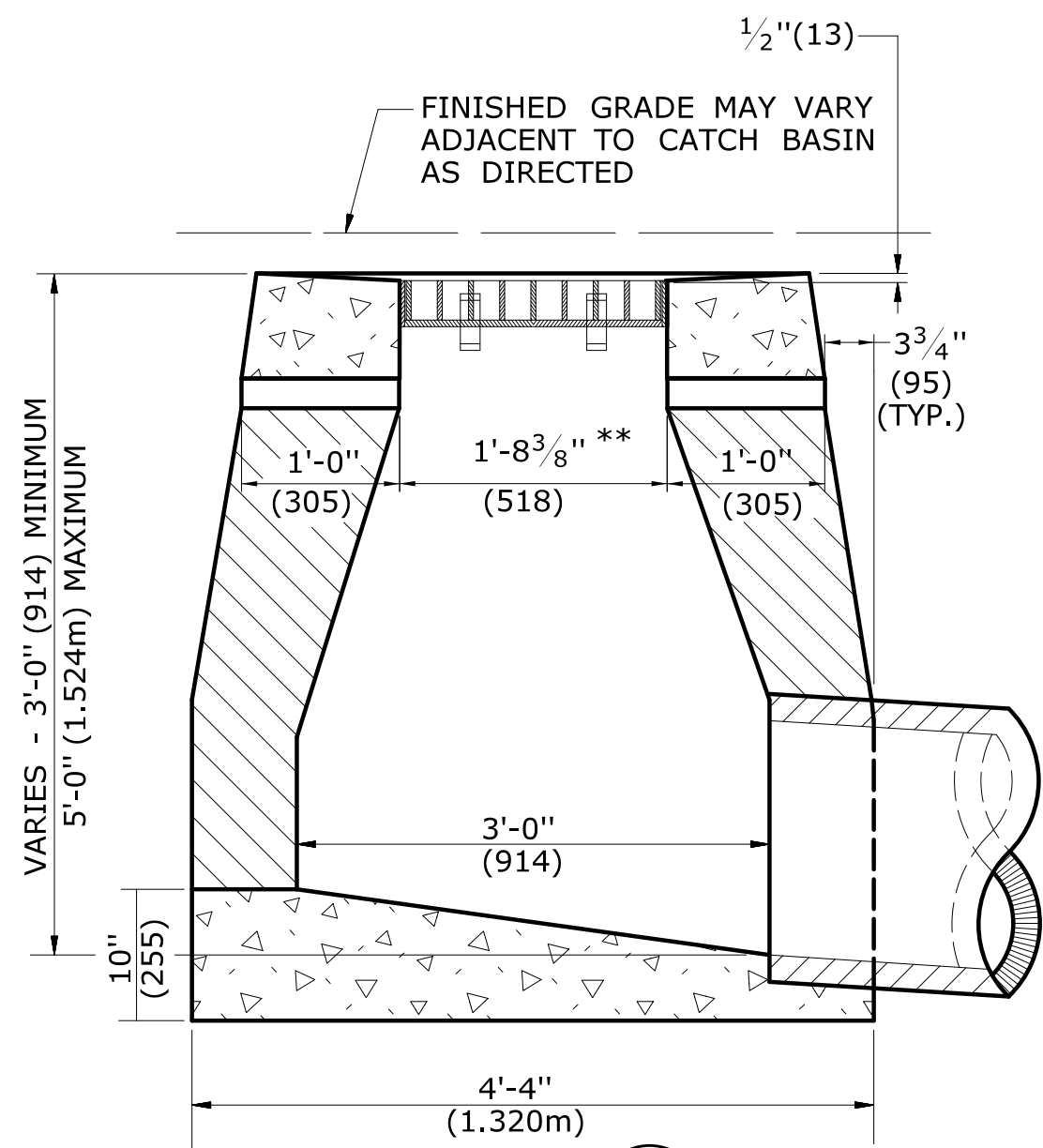
SECTION A

TYPE "C" & "C-L" CATCH BASIN  
(TYPE "C" TOP SHOWN)



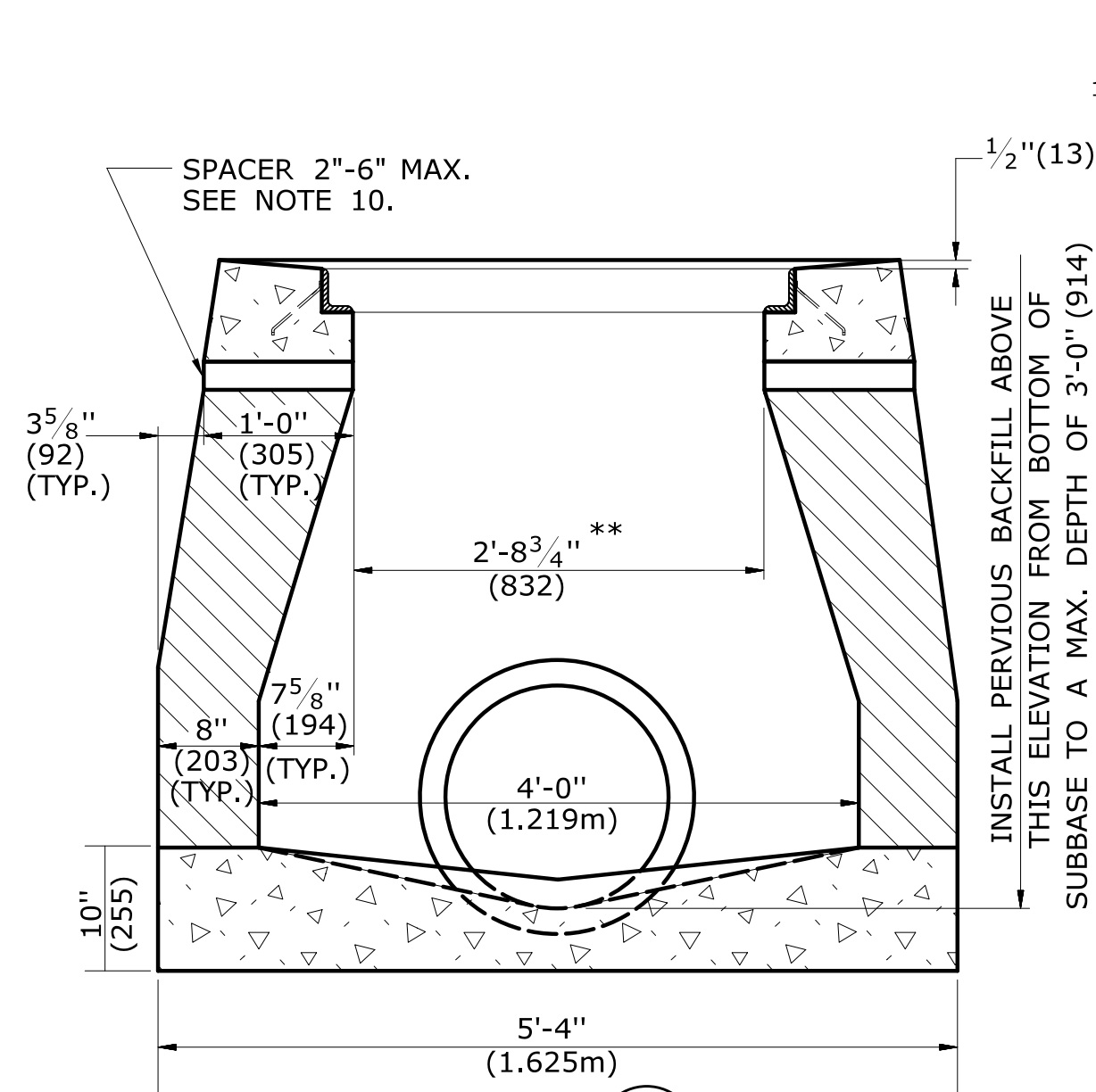
SECTION B

TYPE "C" CATCH BASIN



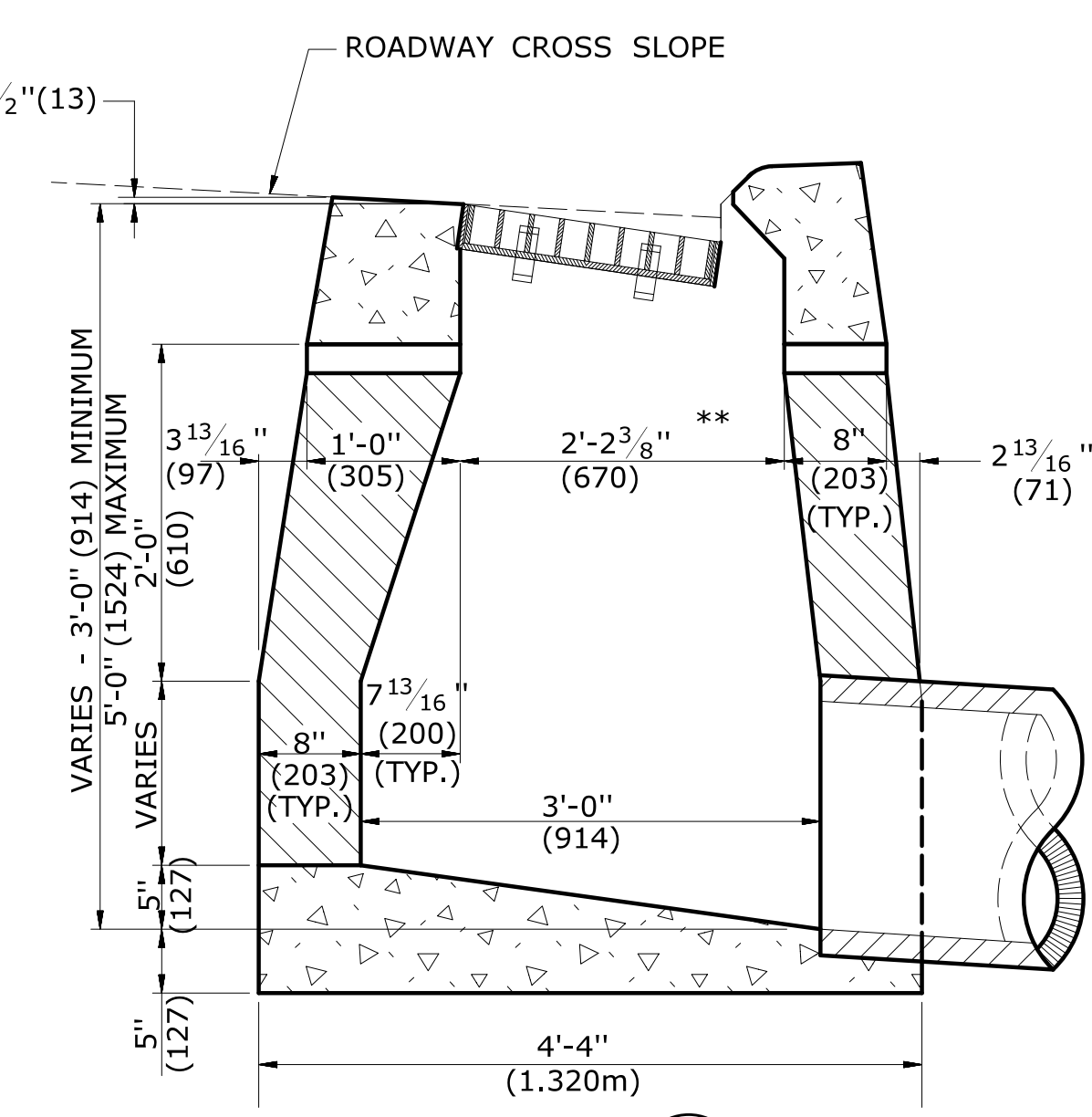
SECTION B

TYPE "C-L" DROP INLET



SECTION A

TYPE "C" & "C-L" DROP INLET  
(TYPE "C-L" TOP SHOWN)

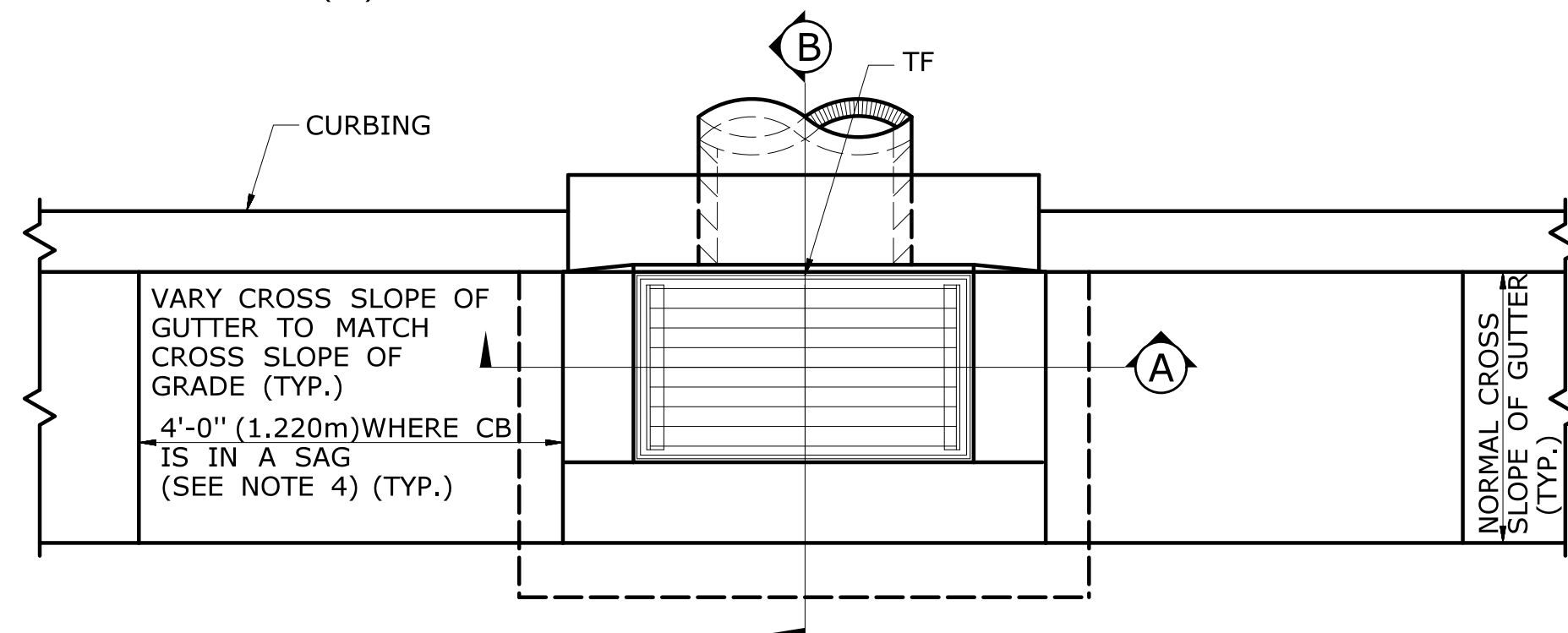


SECTION B

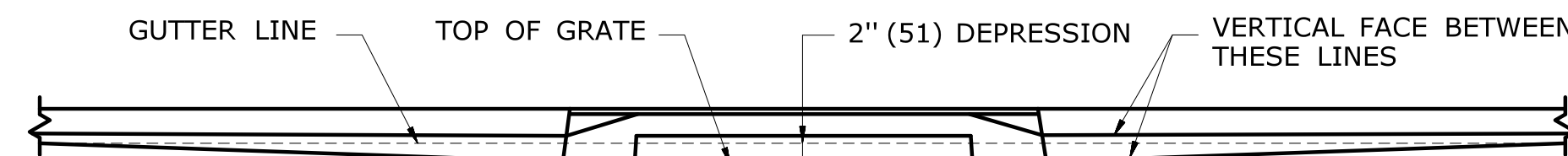
TYPE "C" DROP INLET

## GENERAL NOTES:

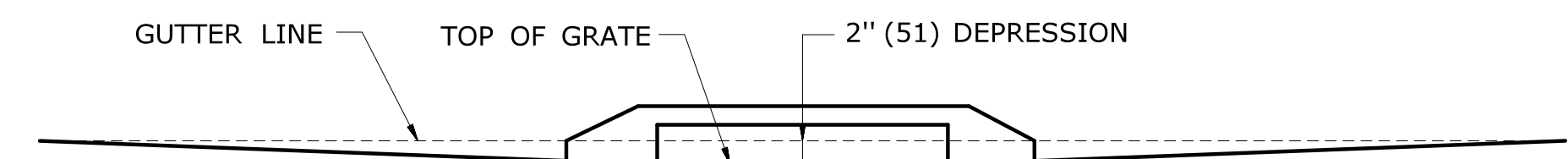
1. FOR DETAILS OF FRAME AND GRATE SEE STANDARD SHEET HW-507-08.
2. USE APPROPRIATE CONCRETE TOP FOR CURBING SHOWN ON PLANS. IF CURBING IS NOT SPECIFIED ON THE PLANS, IT SHALL BE CONSTRUCTED AS DIRECTED BY THE ENGINEER.
3. ALL FACES OF STRUCTURES IN CONTACT WITH CONCRETE PAVEMENT SHALL BE COVERED WITH A LAYER OF TAR PAPER OR APPROVED EQUAL. THE COST FOR THE PAPER SHALL BE INCLUDED IN THE BID PRICE FOR THE TYPE OF CATCH BASIN INSTALLED.
4. USE 6'-0" (1.830m) ON UPGRADE SIDE OF CONTINUOUS GRADE AND 1'-0" (305mm) ON DOWNGRADE SIDE OF CONTINUOUS GRADE OR AS DIRECTED.
5. IF MASONRY UNITS ARE REQUIRED, THE BASIN SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE OVER ALL DIMENSIONS SHOWN HERE AND SECTION 5.07 OF THE STATE OF CONNECTICUT'S STANDARD SPECIFICATIONS. CORBELLING SHALL BE PERMITTED TO A MAXIMUM OF 3" (75mm.) NO PROJECTION SHALL EXTEND INSIDE THE LIMITS NOTED BY \*\*.
6. WALL THICKNESS OF ALL CB'S OVER 10' (3.048m) DEEP SHALL BE INCREASED TO 12" (305mm) THICK. INSIDE DIMENSION SHALL REMAIN THE SAME. 12" (305mm) THICKNESS WILL START AFTER THE FIRST 10' (3.048m).
7. TO CONVEY SUBSURFACE DRAINAGE, OPENINGS SHALL BE FORMED IN THE FOUR WALLS AT OR IMMEDIATELY ABOVE THE BOTTOM OF THE PERVIOUS BACKFILL.
8. MINIMUM CONCRETE COMPRESSIVE STRENGTH OF F'c = 4000 PSI (27,580 kPa) SHALL BE OBTAINED PRIOR TO SHIPPING.
9. LATEST STATE OF CONNECTICUT'S STANDARD SPECIFICATIONS AND SUPPLEMENTALS SHALL GOVERN.
10. SPACER MAY BE CMU OR PRECAST WITH REQUIRED REINFORCING (RECOMMENDED BY THE MANUFACTURER) AS NEEDED TO PROVIDE PROPER GRADE SHOWN ON PLANS.
11. TOP OF FRAME (TF) ELEVATION SHALL BE MEASURED IN THE CENTER OF GRATE @ GUTTER LINE.



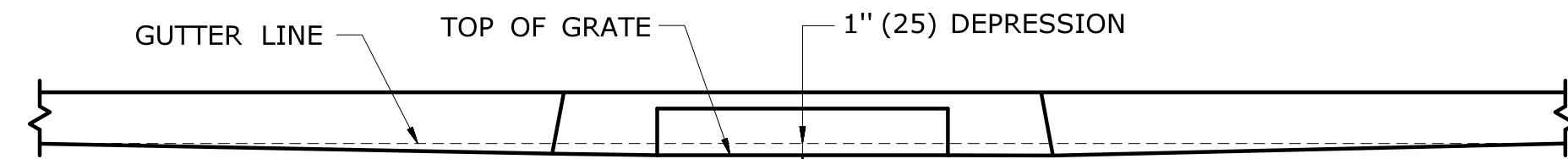
PLAN



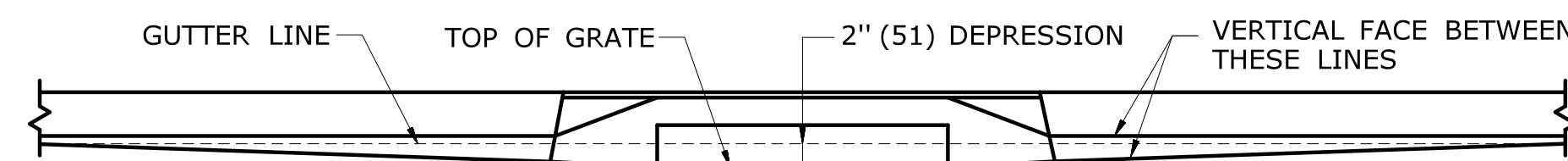
FOR CATCH BASINS IN A LINE OF 4" (102) CONCRETE PARK CURBING OR 4" (102) BITUMINOUS CONCRETE PARK CURBING



FOR CATCH BASINS WHERE NO CURBING OF ANY TYPE EXISTS OR IS PROPOSED



FOR CATCH BASINS IN A LINE OF 6" (152) CONCRETE CURBING OR 6" (152) STONE CURBING



FOR CATCH BASINS IN A LINE OF 6" (152) BITUMINOUS CONCRETE LIP CURBING (MACHINE FORMED)


DETAILS OF DEPRESSED GUTTER STRIP  
FOR TYPE "C" CATCH BASIN

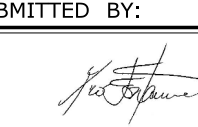

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.

REV.	DATE	REVISION DESCRIPTION
4	7/13	ADD NOTE 11
3	9/30/11	ADD SPACERS AND NOTE 10.
2	9/15/11	MODIFIED DETAILS TO BE CONSISTANT WITH PRECAST
1	7/28/11	REMOVE MIN. DROP NOTE
-	-	-
-	-	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.
Plotted Date: 6/10/2013

NOT TO SCALE
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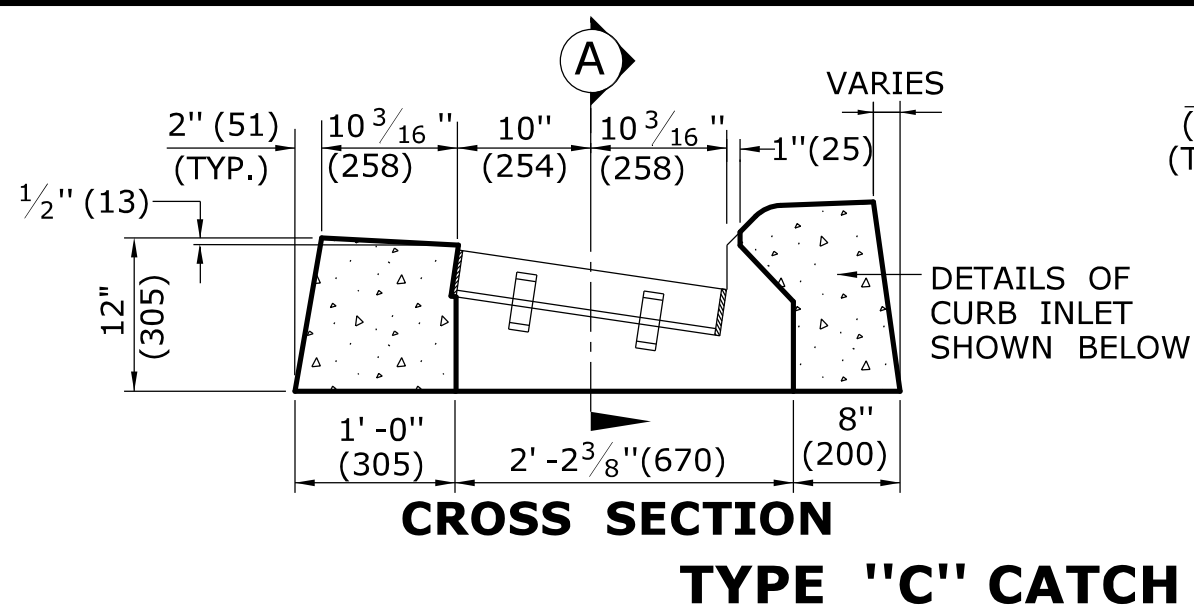
 <b>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</b>
Filename: CTDOT-HIGHWAY-STD2013.dgn Model: 6-HW-507_01

SUBMITTED BY: 	NAME/DATE/TIME:
APPROVED BY: 	NAME/DATE/TIME:

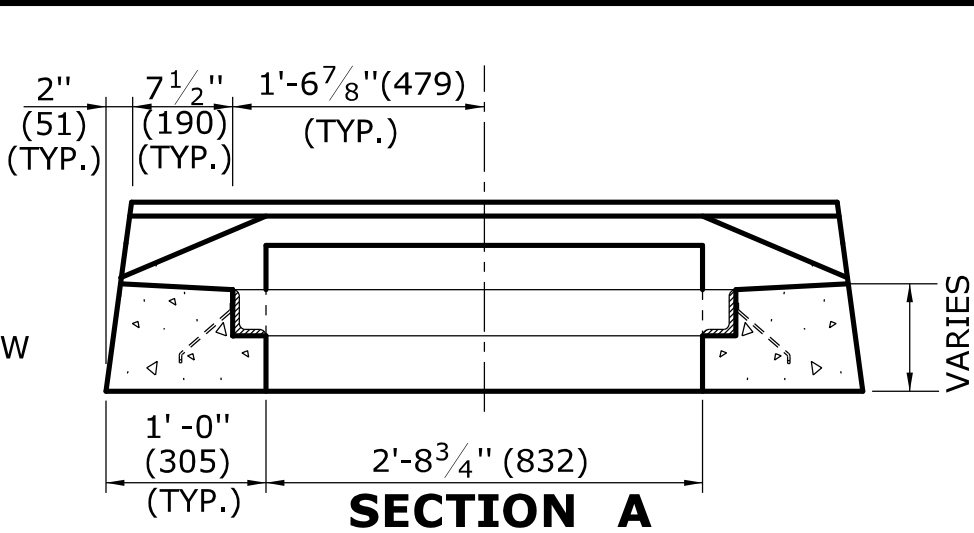
<b>CTDOT STANDARD SHEET</b>
<b>OFFICE OF ENGINEERING</b>

STANDARD SHEET TITLE: <b>TYPE "C", "C-L" &amp; DROP INLET CATCH BASIN</b>	STANDARD SHEET NO.: <b>HW-507_01</b>
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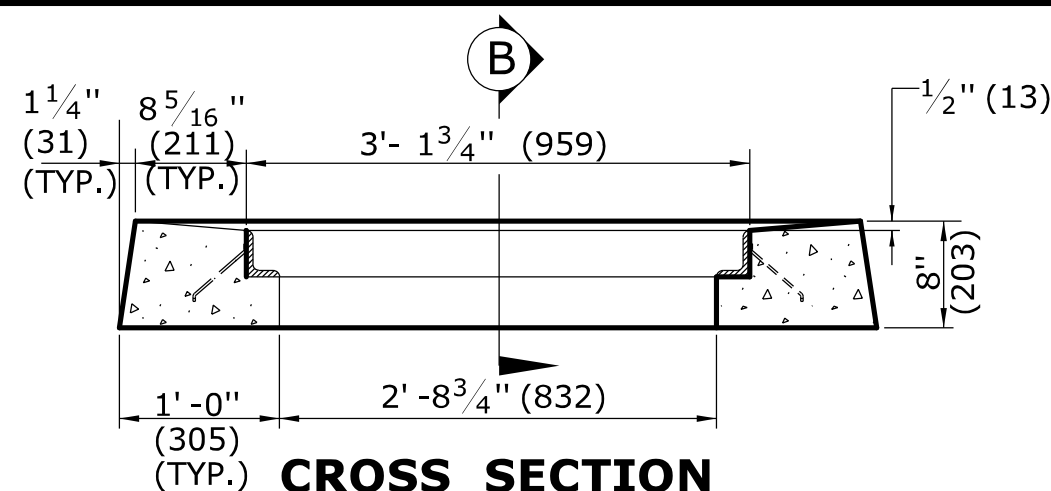




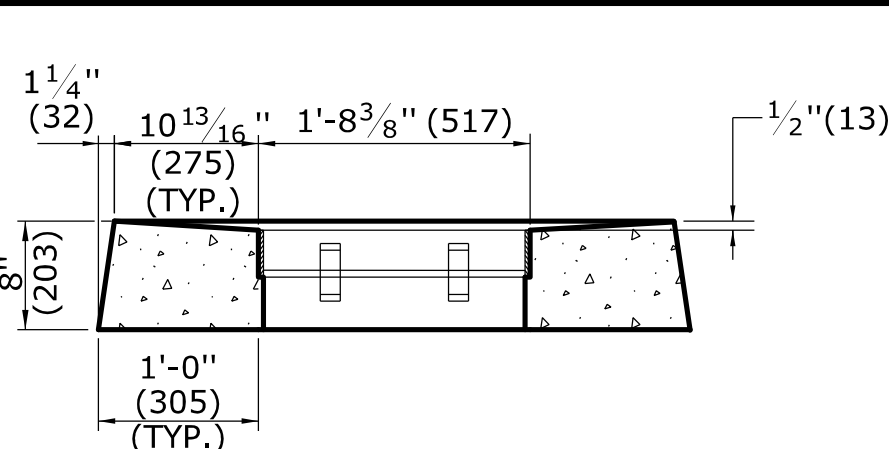
**CROSS SECTION**  
**TYPE "C" CATCH BASIN TOP**



**SECTION A**



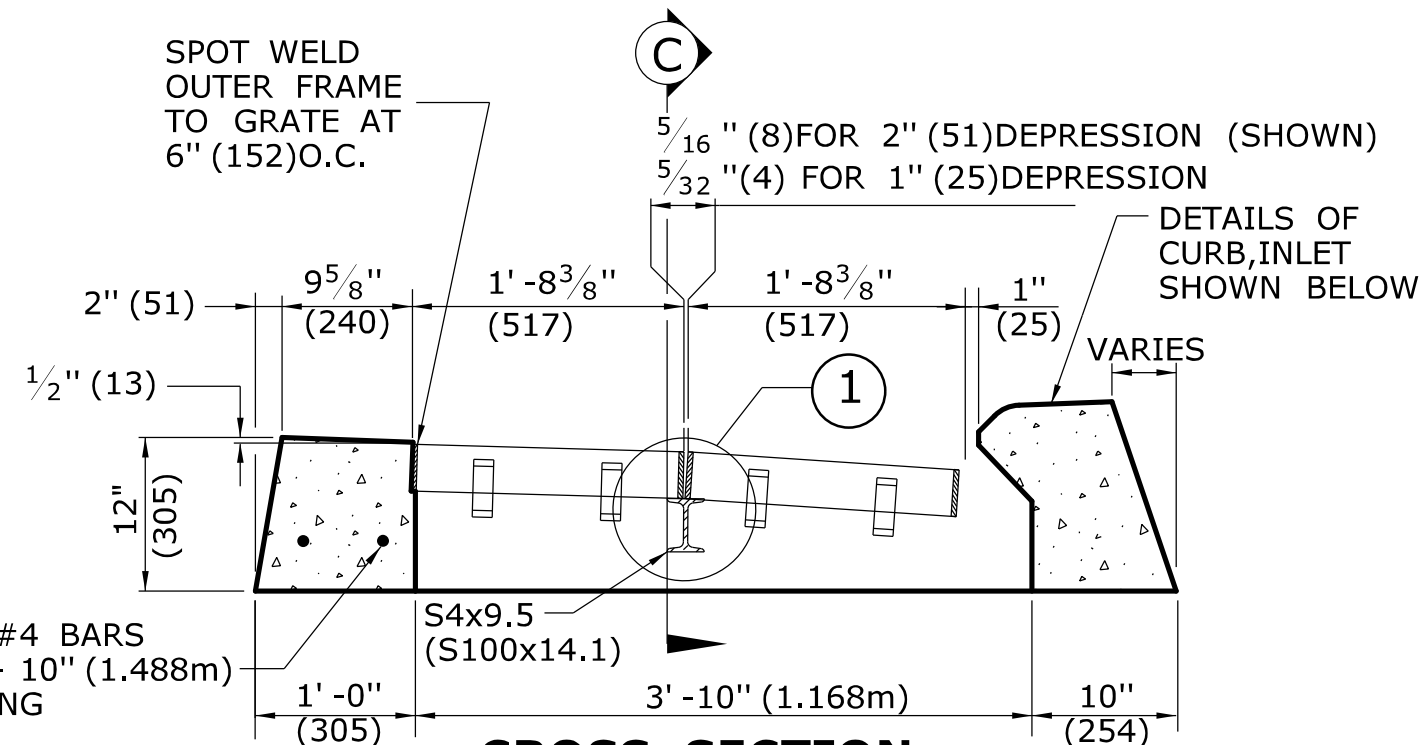
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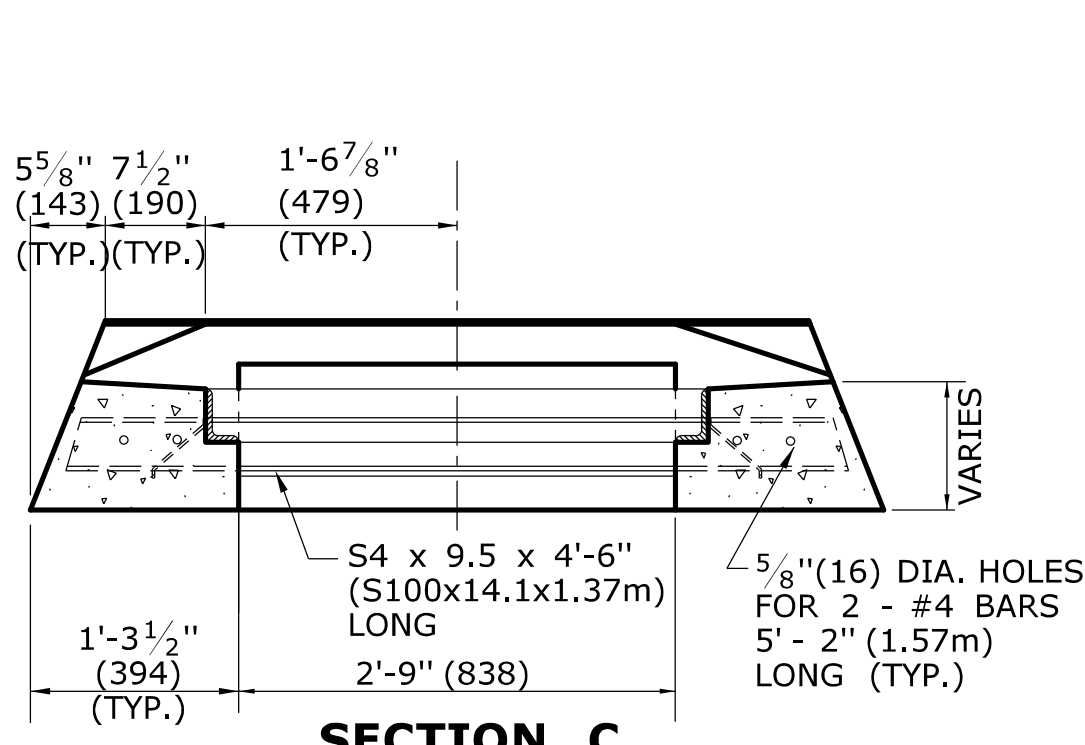
**SECTION B**

**GENERAL NOTES:**

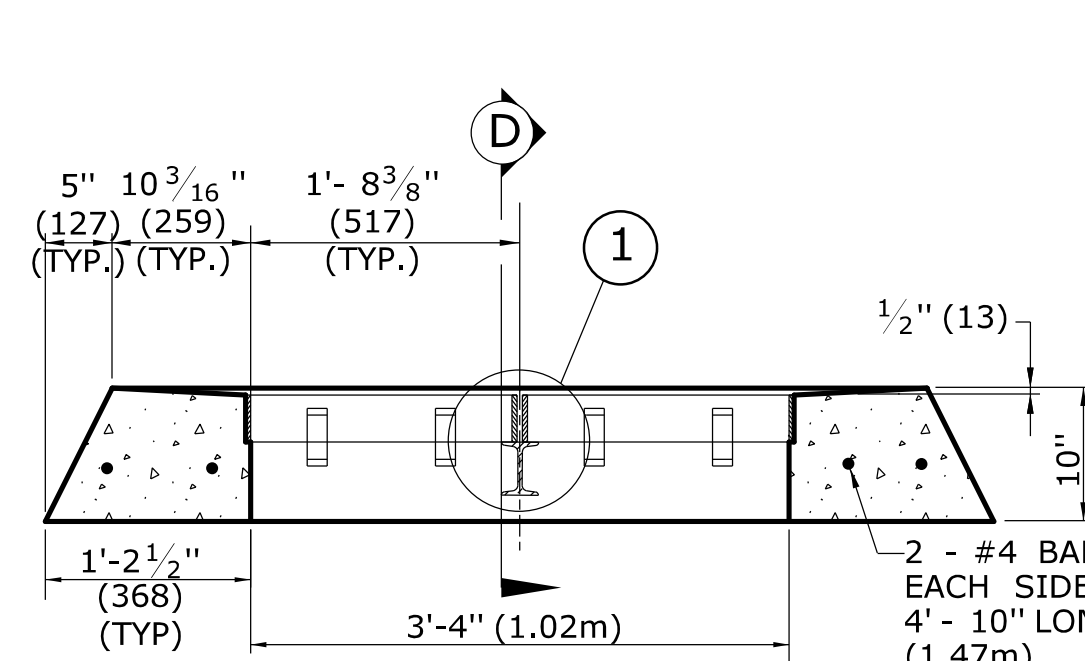
1. FOR DETAILS OF FRAME AND GRATE SEE STANDARD SHEET HW-507-08.
2. ALL STEEL, EXCEPT REINFORCING BARS, SHALL BE GALVANIZED IN CONFORMANCE WITH SECTION M06.03 OF CONNECTICUT'S STANDARD SPECIFICATIONS.
3. ALL BARS SHALL HAVE A MINIMUM 2" (51) COVER.



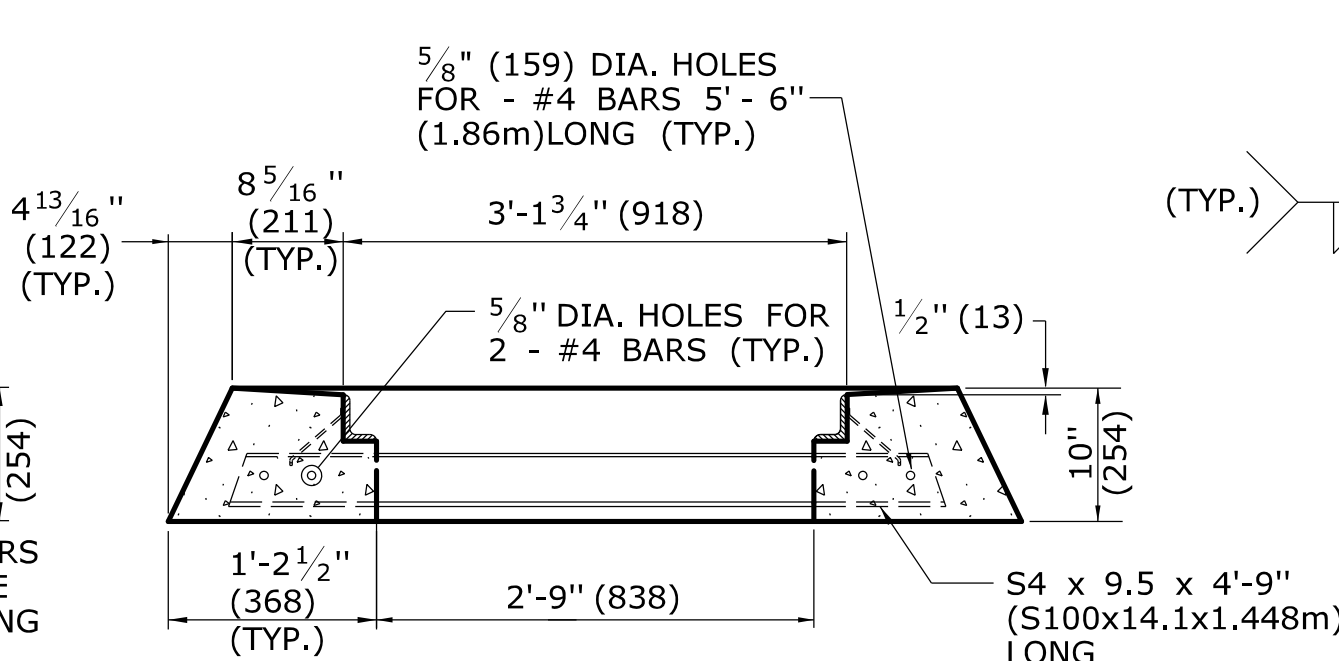
**CROSS SECTION**  
**TYPE "C" CATCH BASIN DOUBLE GRATE - TYPE I TOP**



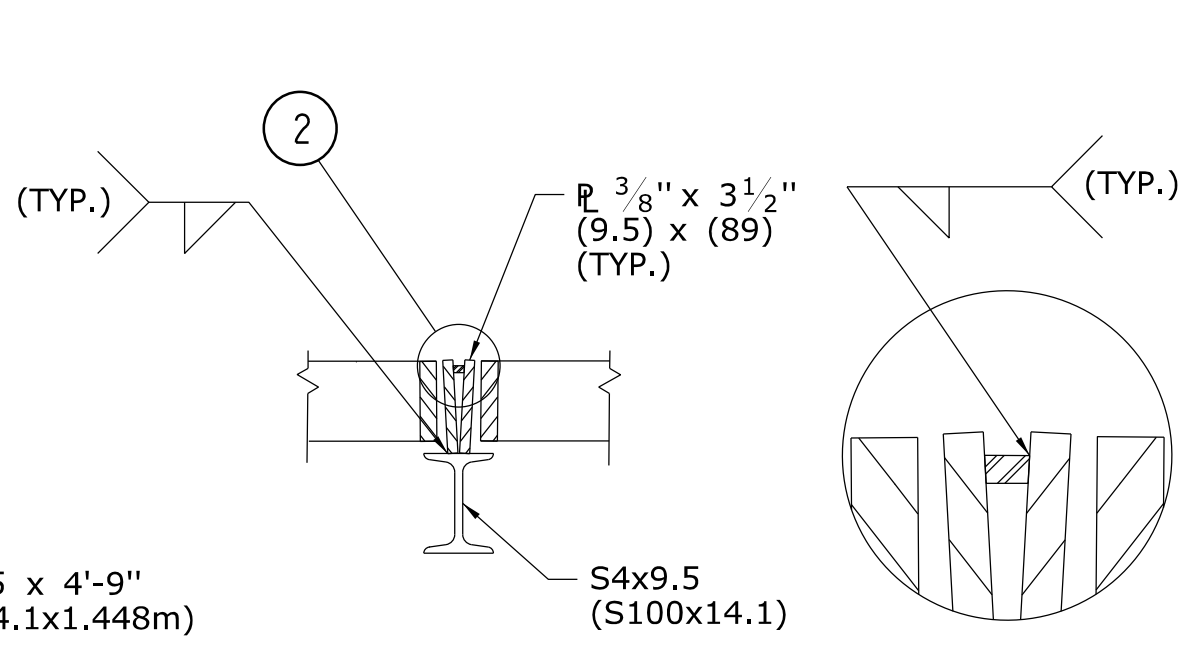
**SECTION C**



**CROSS SECTION**  
**TYPE "C-L" CATCH BASIN DOUBLE GRATE - TYPE I TOP**

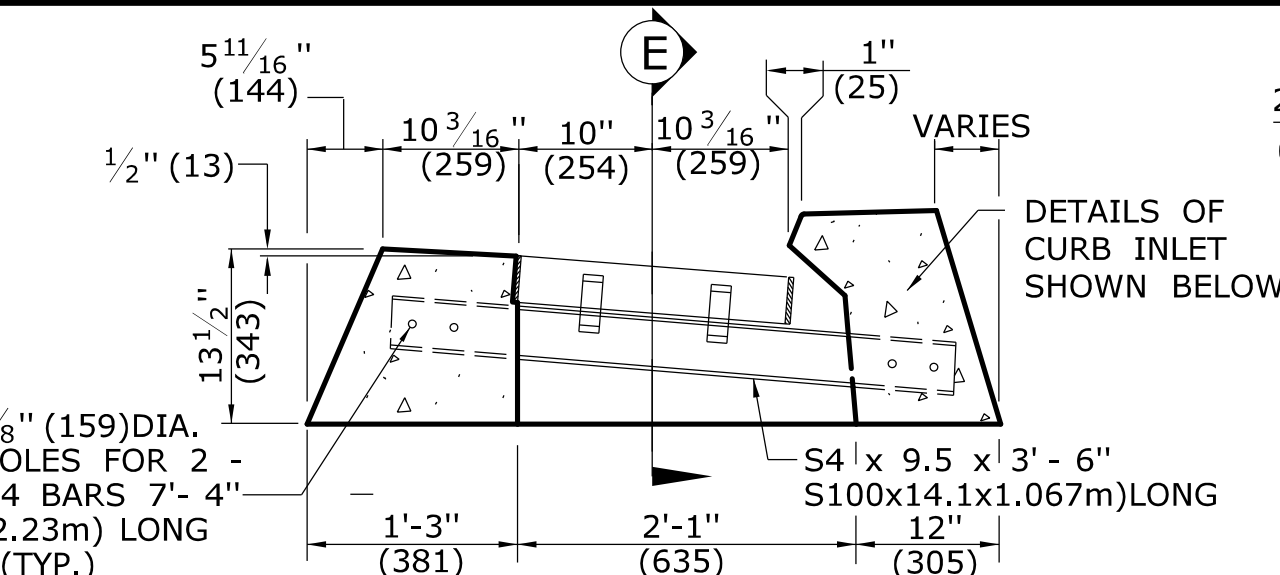


**SECTION D**

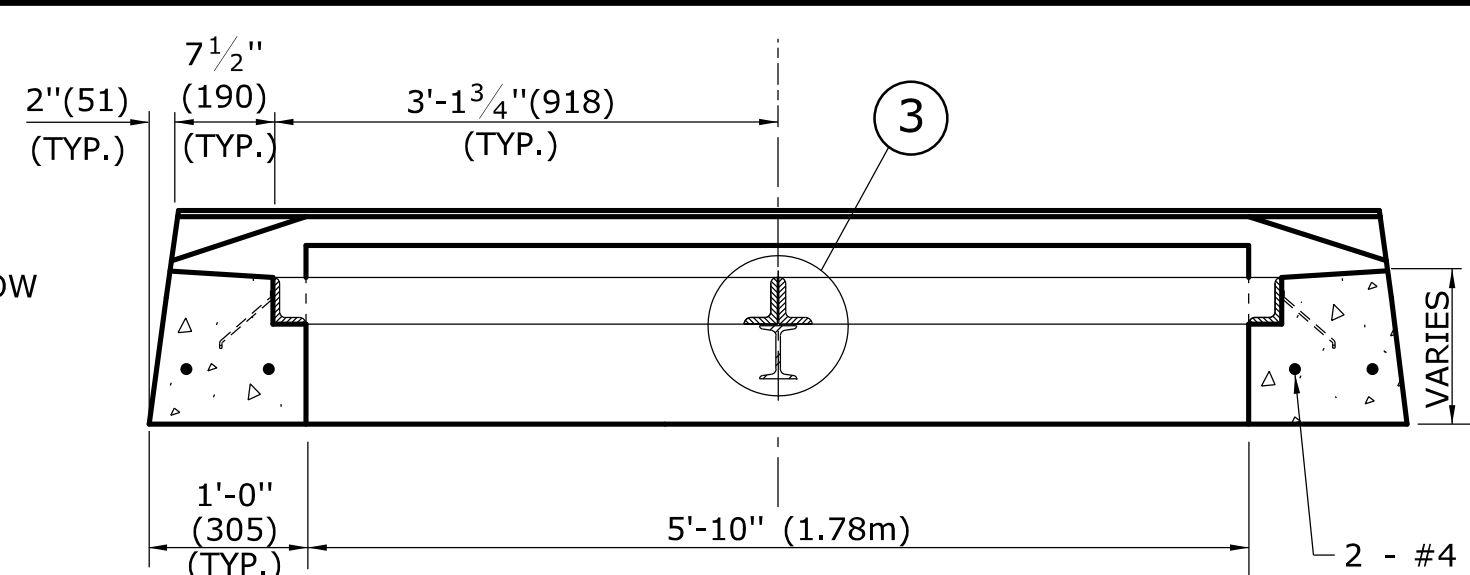


**DETAIL "1"**

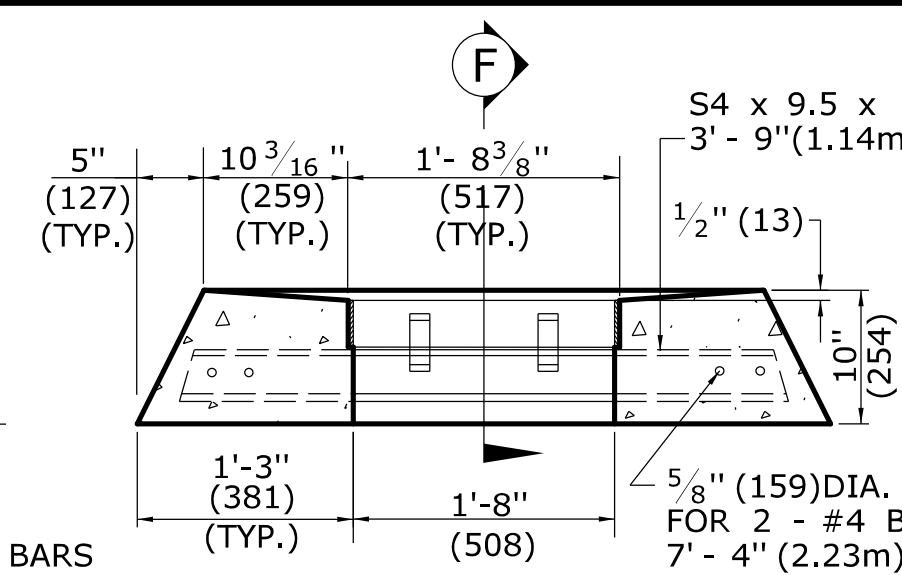
**DETAIL "2"**



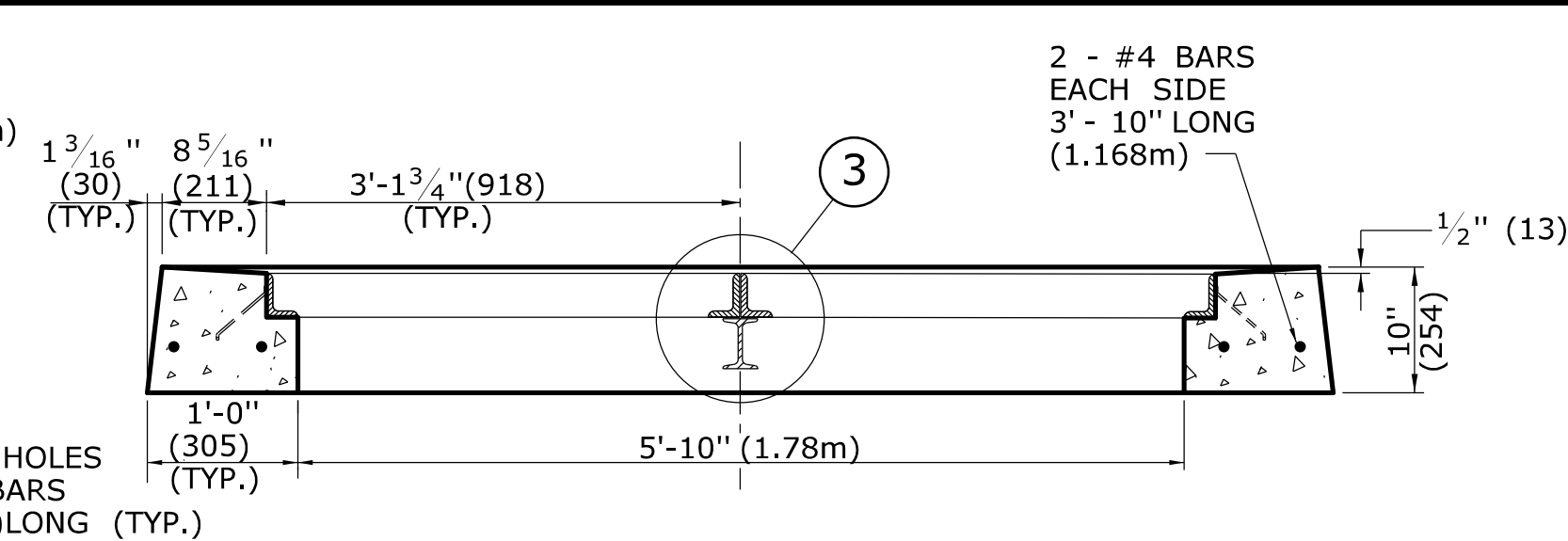
**CROSS SECTION**  
**TYPE "C" CATCH BASIN DOUBLE GRATE - TYPE II TOP**



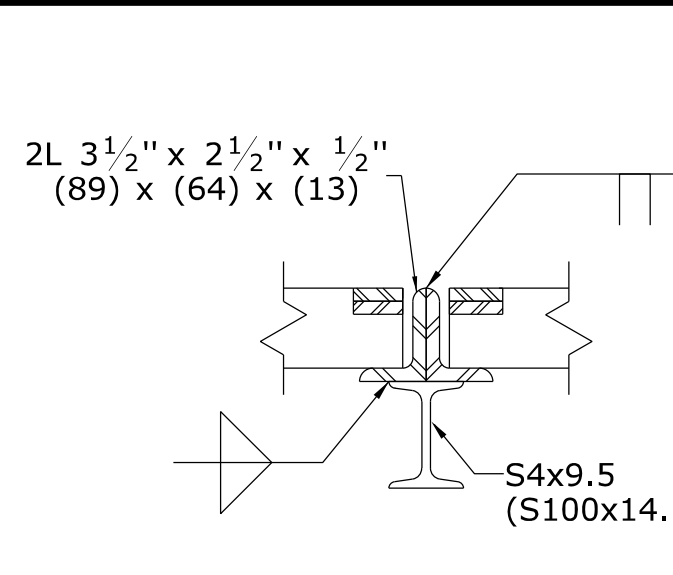
**SECTION E**



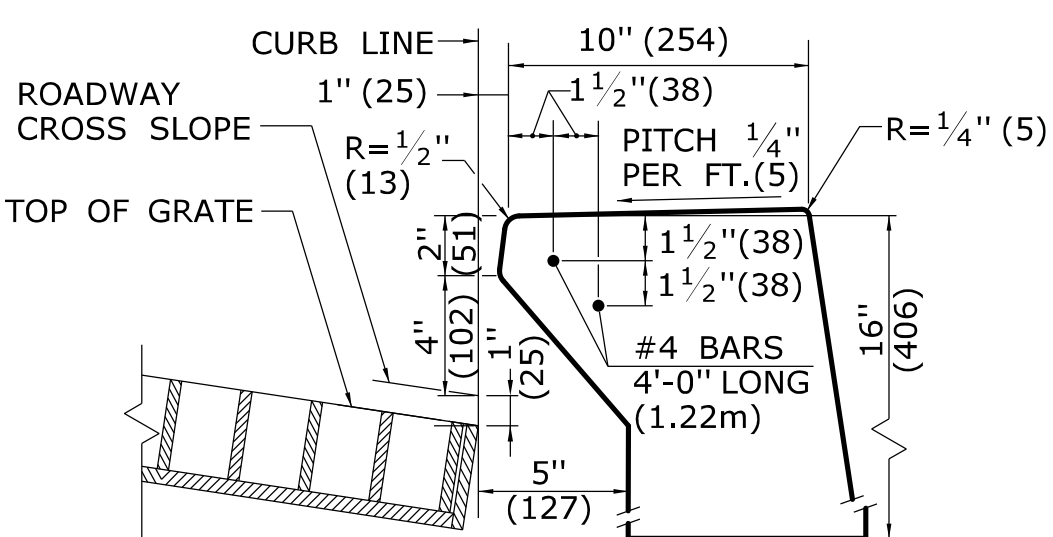
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**TYPE "C-L" CATCH BASIN DOUBLE GRATE - TYPE II TOP**



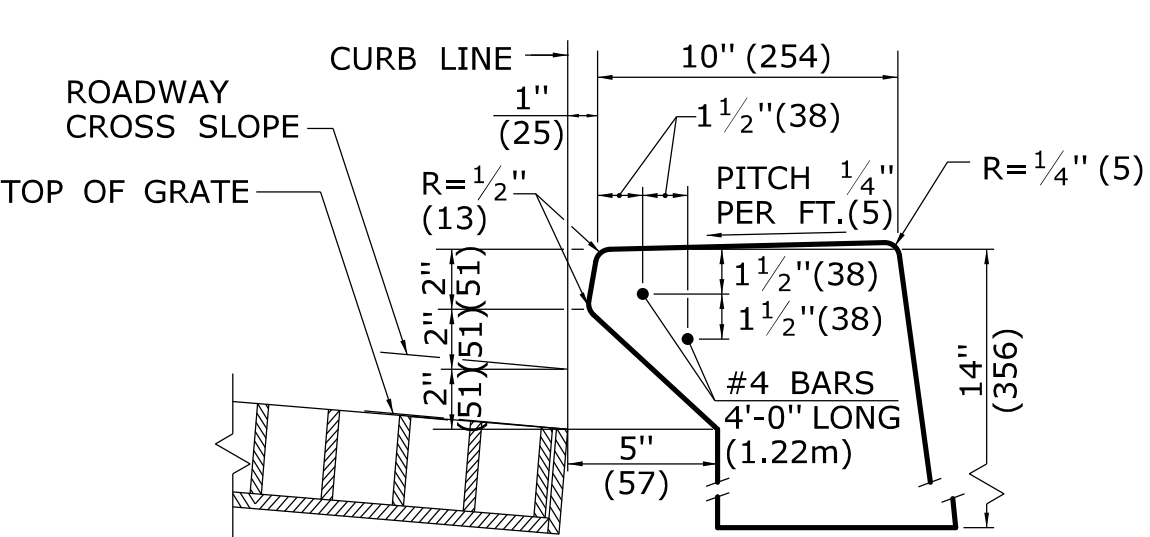
**SECTION F**



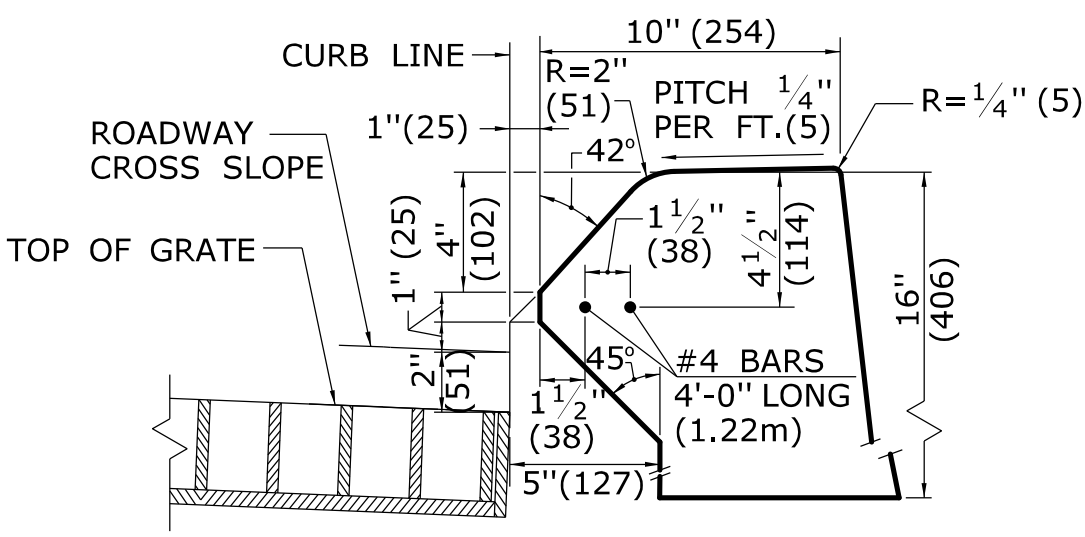
**DETAIL "3"**



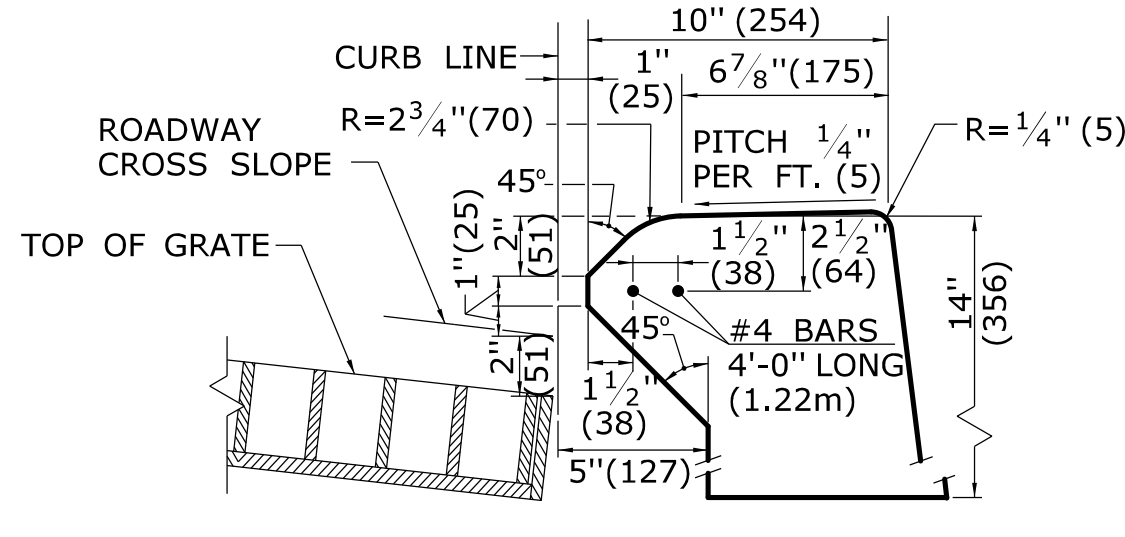
**INLET WITH 6" (152) CONCRETE OR STONE CURBING FOR TYPE "C" CB**



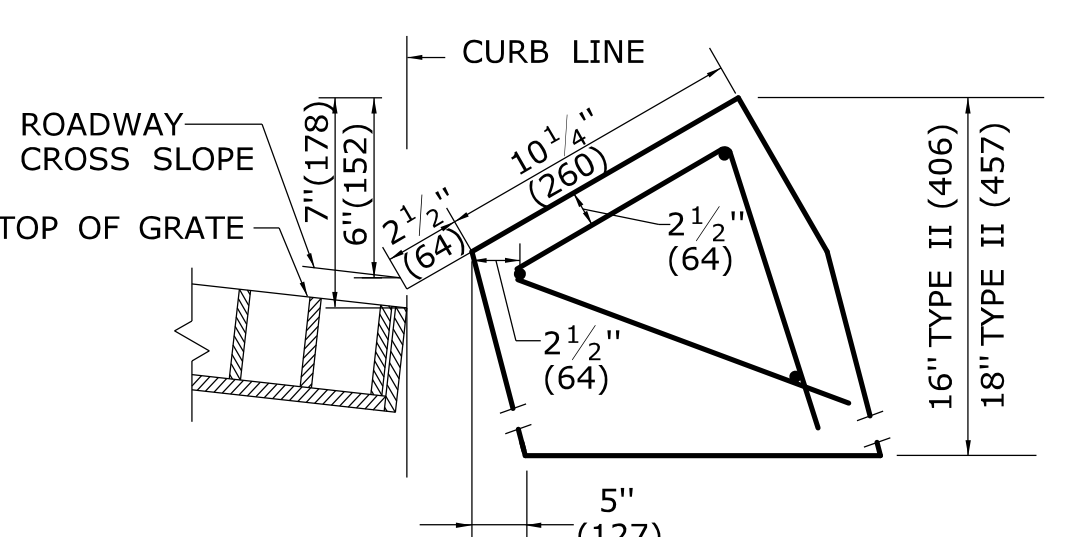
**INLET WITH NO CURBING (PLAIN TYPE) FOR TYPE "C" CB**



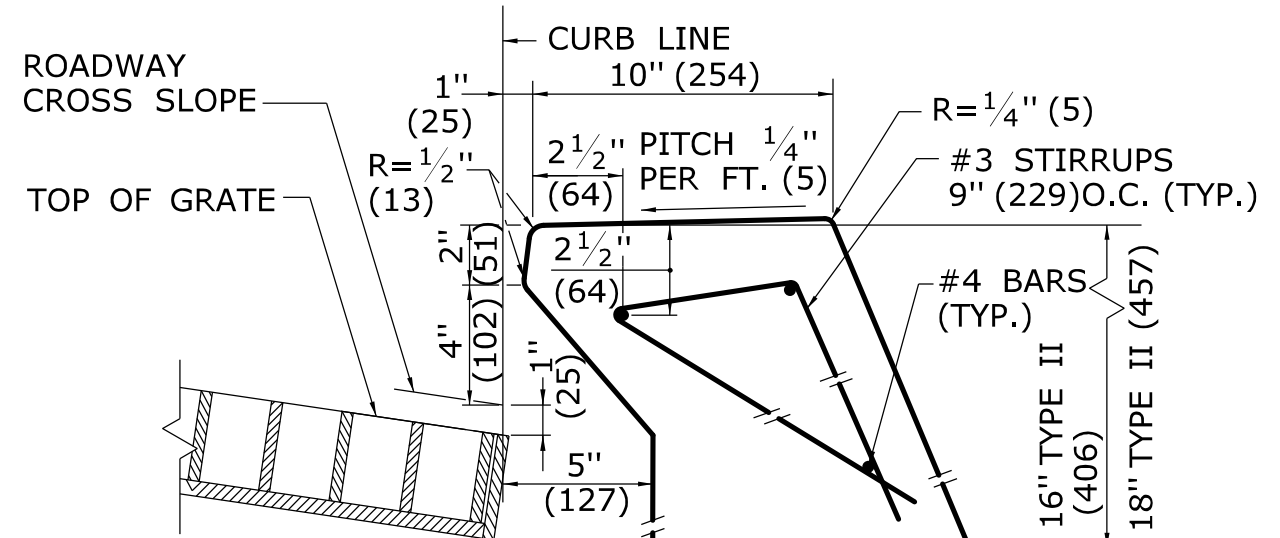
**INLET WITH 6" (152) BITUMINIOUS CONCRETE LIP CURBING FOR TYPE "C" CB**



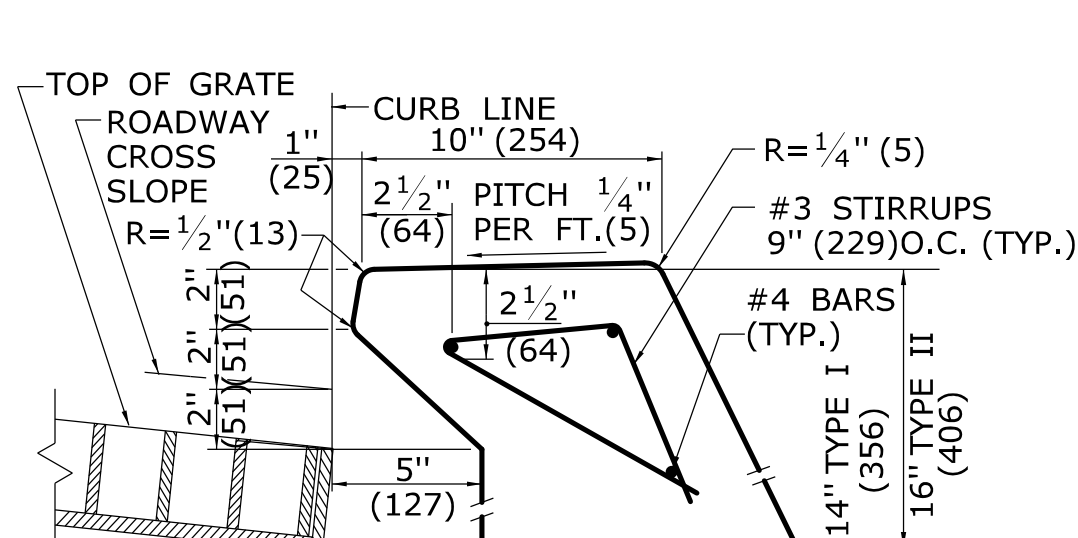
**INLET WITH 4" (102) CONCRETE PARK CURBING FOR TYPE "C" CB**



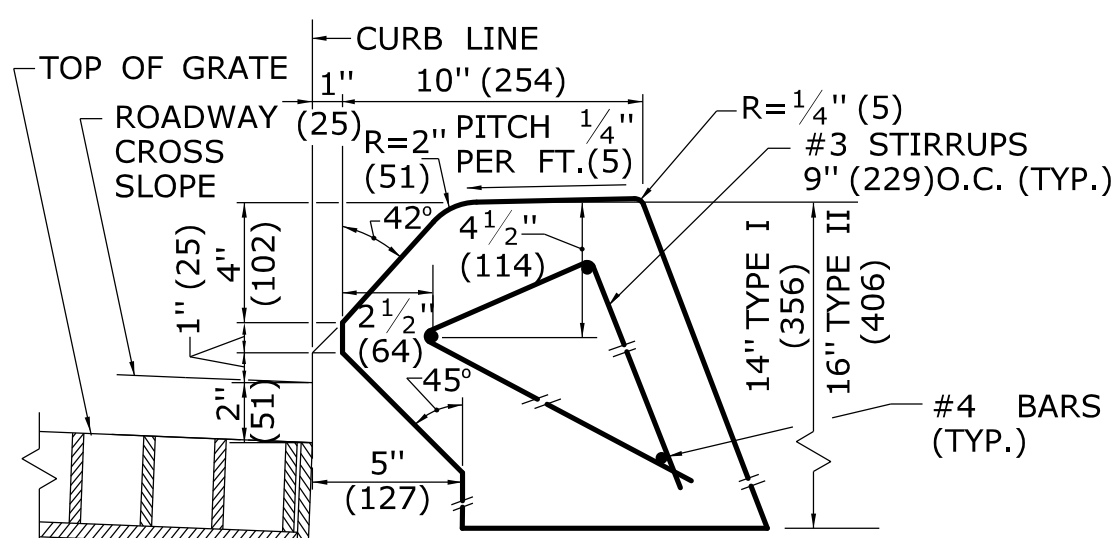
**INLET WITH GRANITE SLOPE CURB FOR TYPE "C" CB**



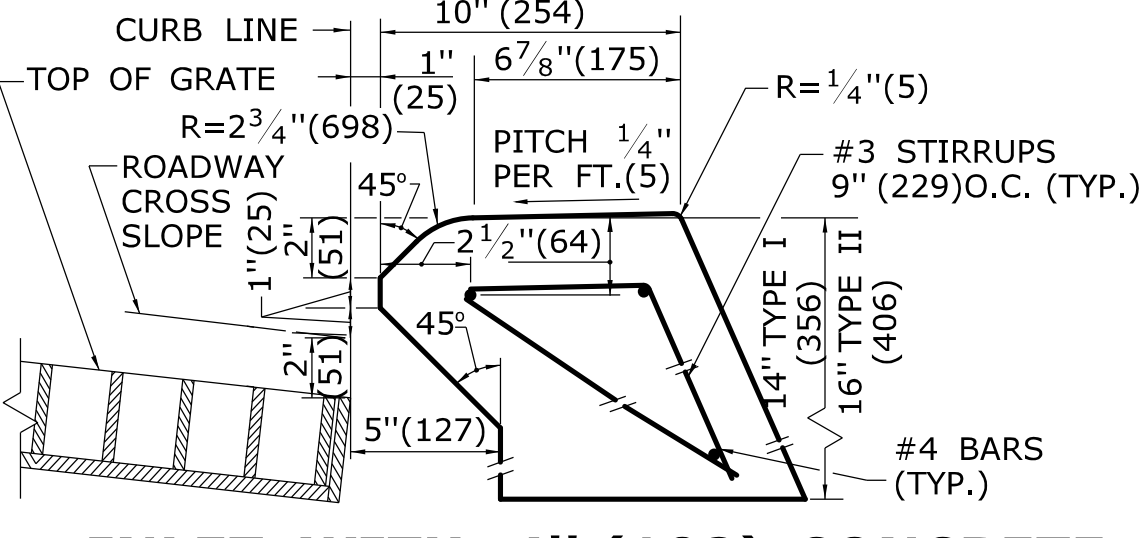
**INLET WITH 6" (152) CONCRETE OR STONE CURBING FOR TYPE "C" CB DOUBLE GRATE TYPE I & II**



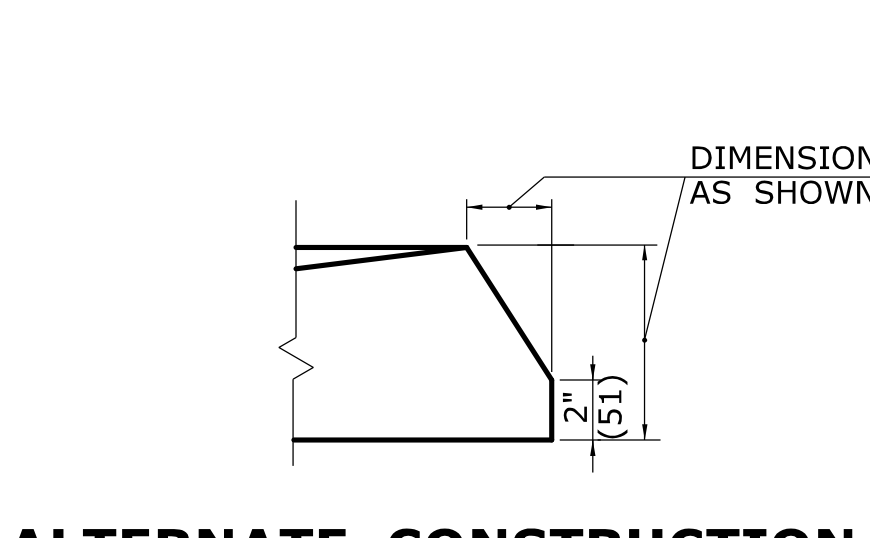
**INLET WITH NO CURBING (PLAIN TYPE) FOR TYPE "C" CB DOUBLE GRATE TYPE I & II**



**INLET WITH 6" (152) BITUMINIOUS CONCRETE LIP CURBING FOR TYPE "C" CB DOUBLE GRATE TYPE I & II**





**INLET WITH 4" (102) CONCRETE PARK CURBING FOR TYPE "C" CB DOUBLE GRATE TYPE I & II**

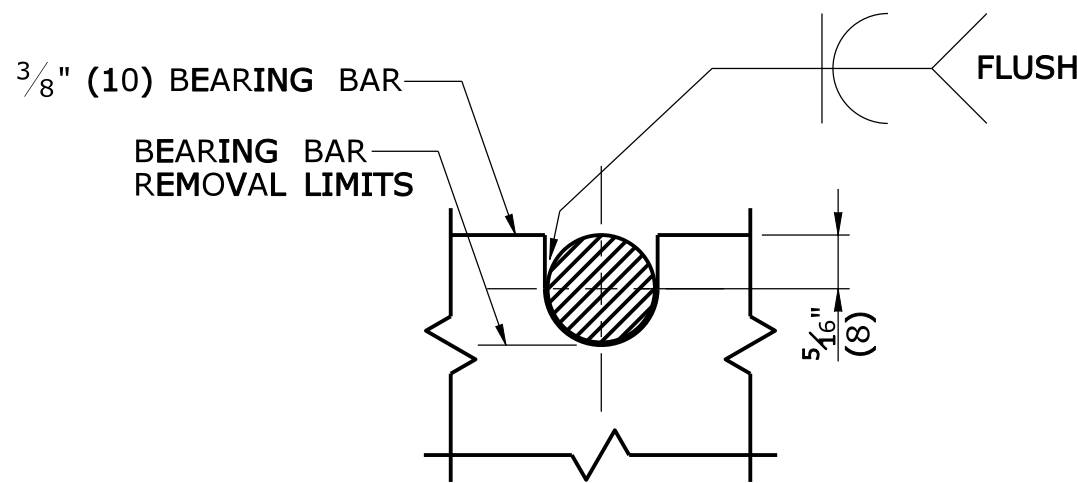


**ALTERNATE CONSTRUCTION OF TYPE II TOP**

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED

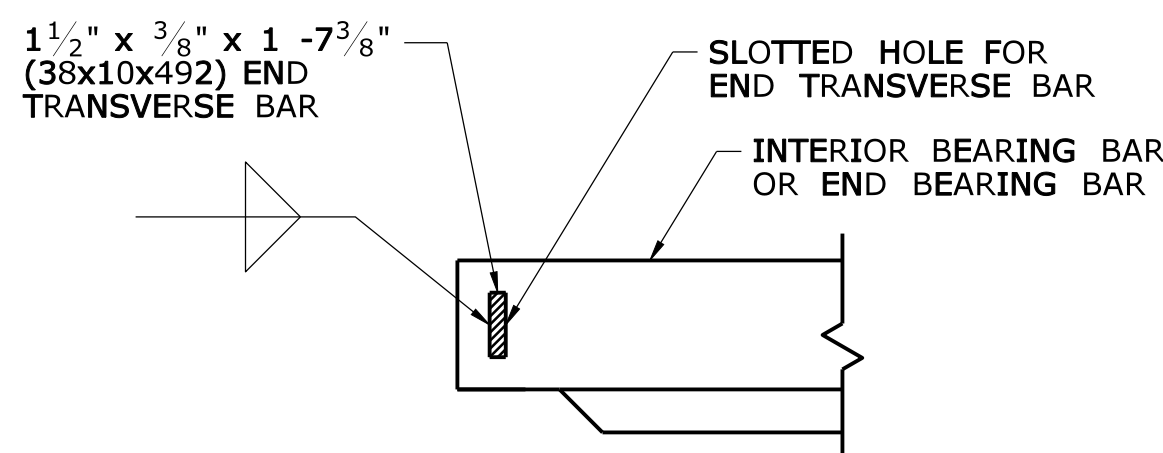
-	-		THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	NOT TO SCALE	 <div>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</div> 	SUBMITTED BY: NAME/DATE/TIME:	CTDOT STANDARD SHEET	STANDARD SHEET TITLE:	STANDARD SHEET NO.:
-	-					Leo Fontaine 2011.11.10 10:04:01 -05'00'			
-	-					APPROVED BY: NAME/DATE/TIME:			
2	7/28/11	REMOVE MIN. DROP NOTE						James H. Norman 2011.11.10 10:19:36 -05'00'	OFFICE OF ENGINEERING
1	6/01/10	REVISE CALL-OUT							
REV.	DATE	REVISION DESCRIPTION				Plotted Date: 11/10/2011	Filename: CTDOT_HWY_STD_Nov2011.dgn Model: 12-HW-507_07		



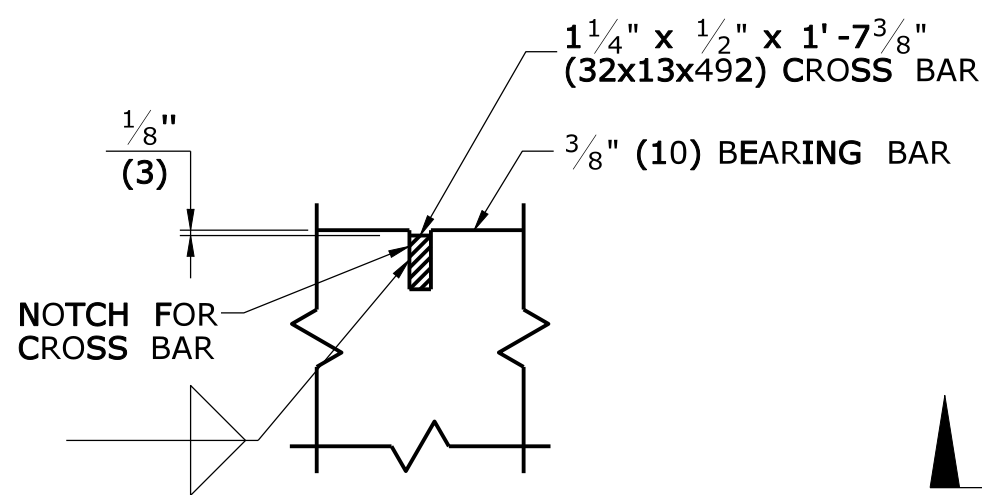


NOTE:  
5/8" (16) DIA. ROUND BAR SHALL CONTACT BEARING BAR AT BOTTOM AND BE FLUSH AT TOP.

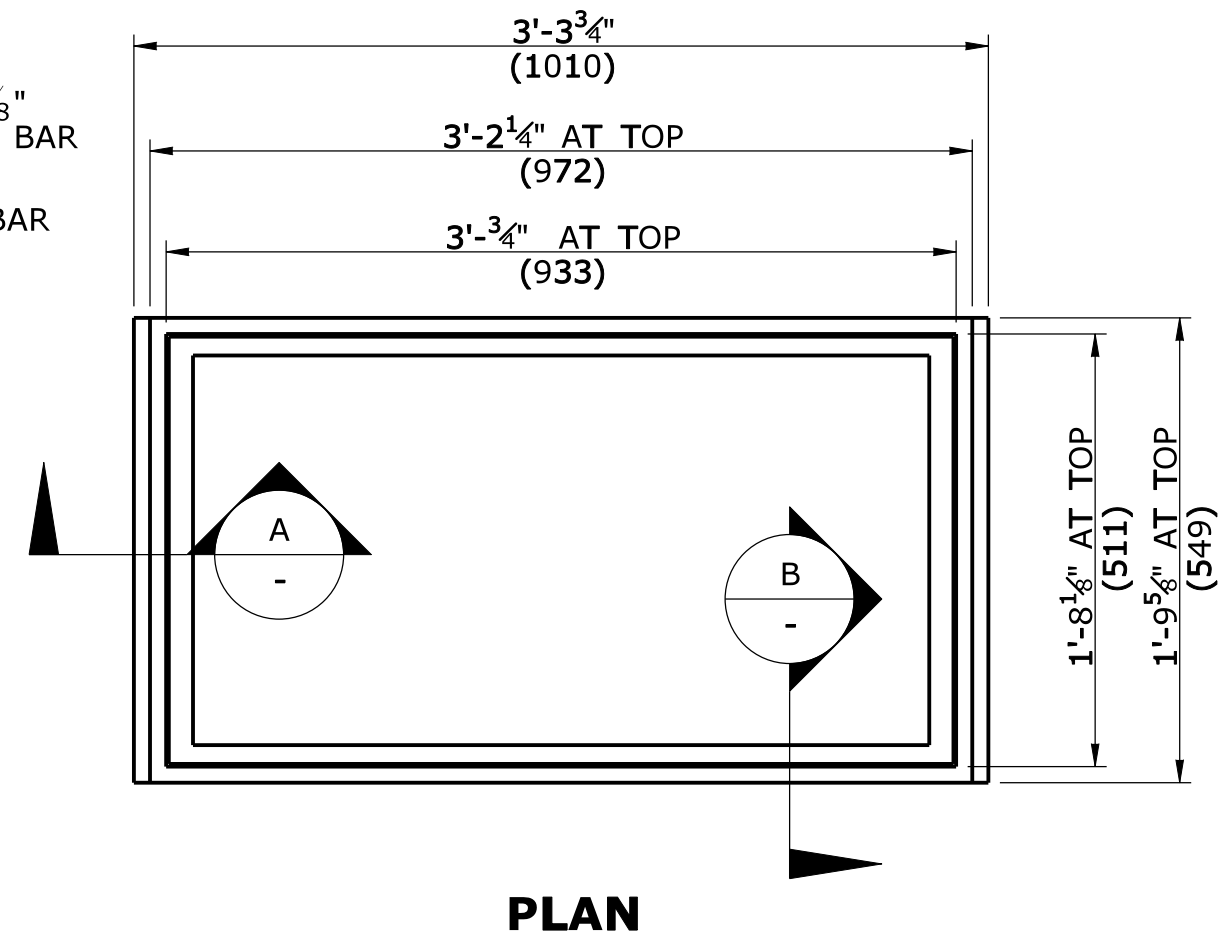
**ROUND BAR ATTACHMENT  
CATCH BASIN GRATE TYPE A**



**END TRANSVERSE BAR ATTACHMENT  
CATCH BASIN GRATE TYPE A & B**



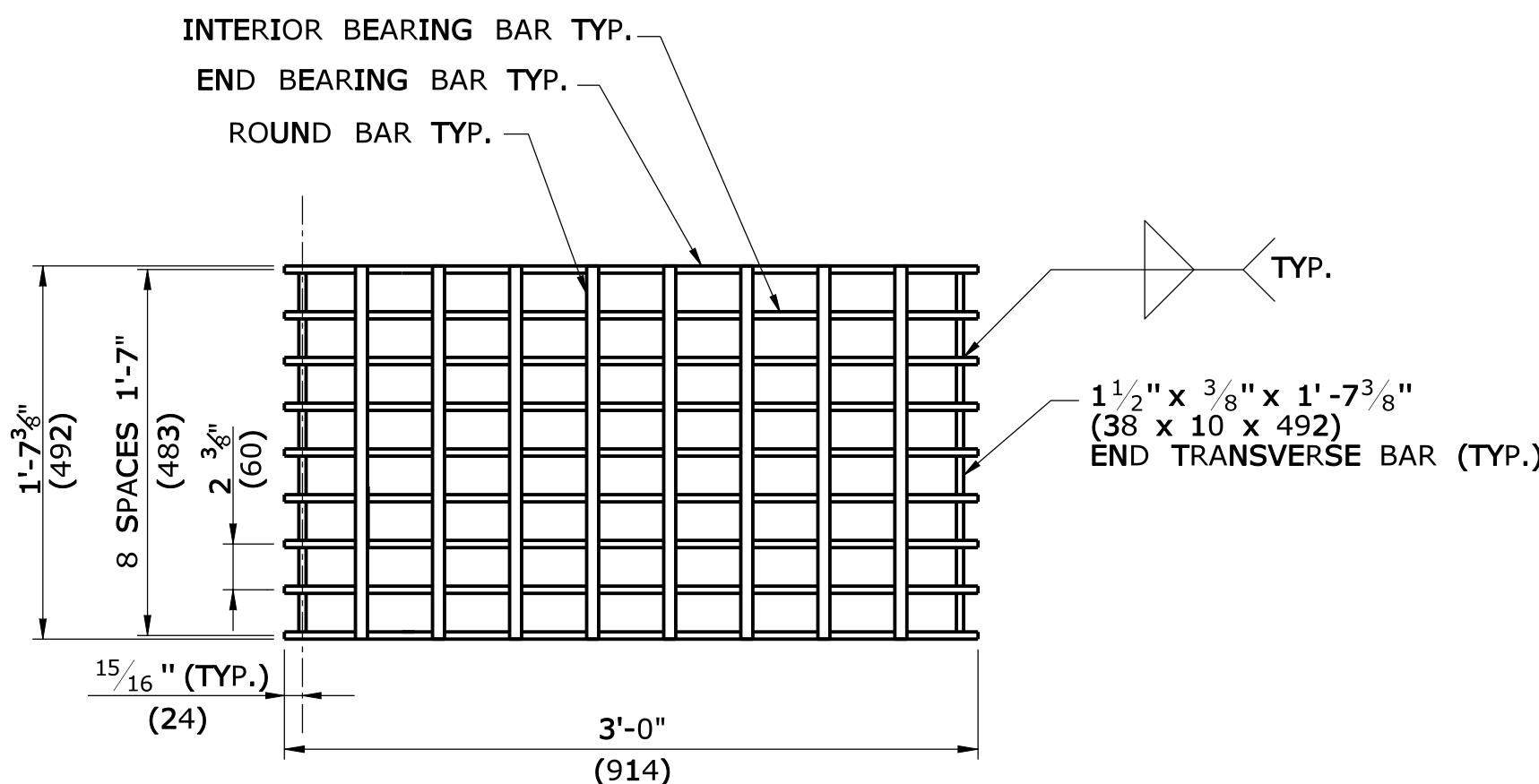
**CROSS BAR ATTACHMENT  
CATCH BASIN GRATE TYPE B**



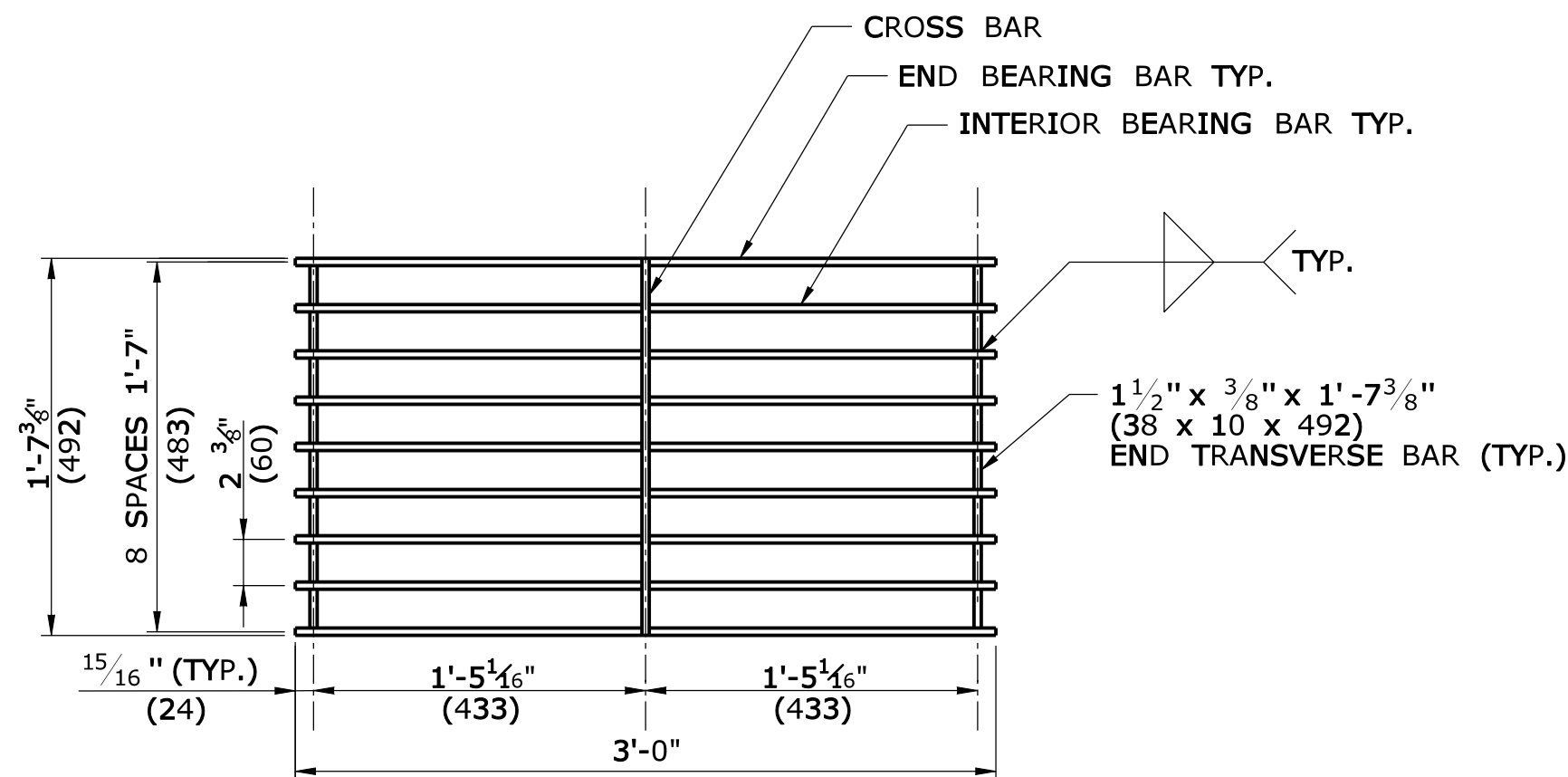
**PLAN**

**GENERAL NOTES:**

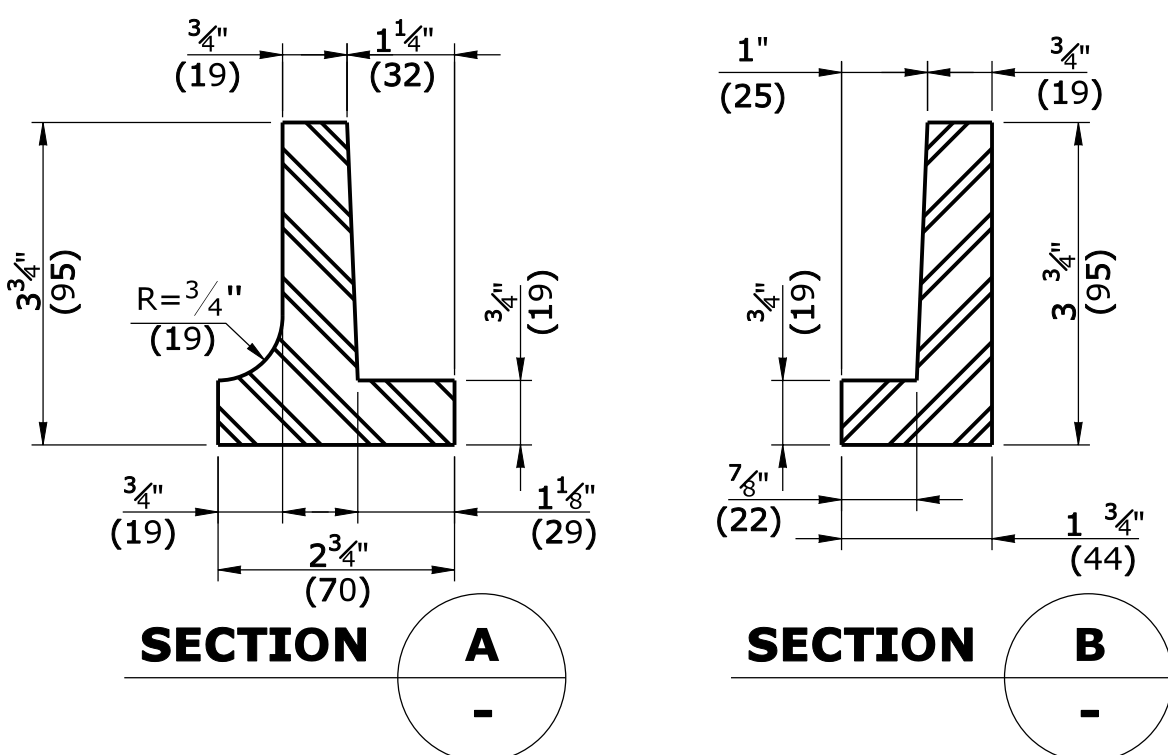
1. STEEL OR CAST IRON SHALL BE USED FOR FRAMES. STEEL SHALL BE USED FOR TYPE "A" & "B" GRATES.
2. TYPE "A" GRATES SHALL BE USED ON ALL ROADWAYS WHERE BICYCLE TRAFFIC IS ALLOWED OR AS DIRECTED BY THE ENGINEER.
3. TYPE "B" GRATES SHALL BE USED ON ALL LIMITED ACCESS HIGHWAYS, RAMPS AND WHERE BICYCLE TRAFFIC IS NOT ALLOWED OR AS DIRECTED BY THE ENGINEER.
4. STEEL FRAMES AND GRATES SHALL BE GALVANIZED IN ACCORDANCE WITH ARTICLE M.06.03.
5. DO NOT GALVANIZE CAST IRON FRAMES.
6. DIMENSIONAL TOLERANCES SHALL BE  $\pm 1/16"$  (1.6)
7. ALL STEEL BARS SHALL BE WELDED AT ALL INTERSECTIONS.
8. ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF AWS STRUCTURAL WELDING CODE, D1.1.



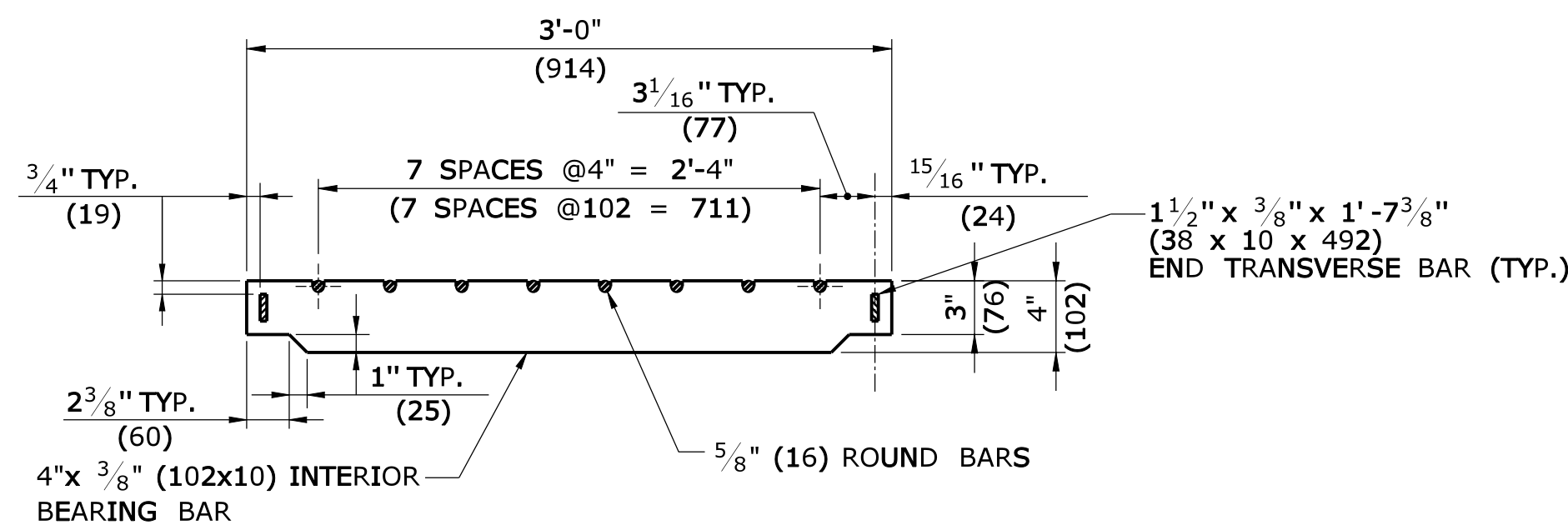
**PLAN**



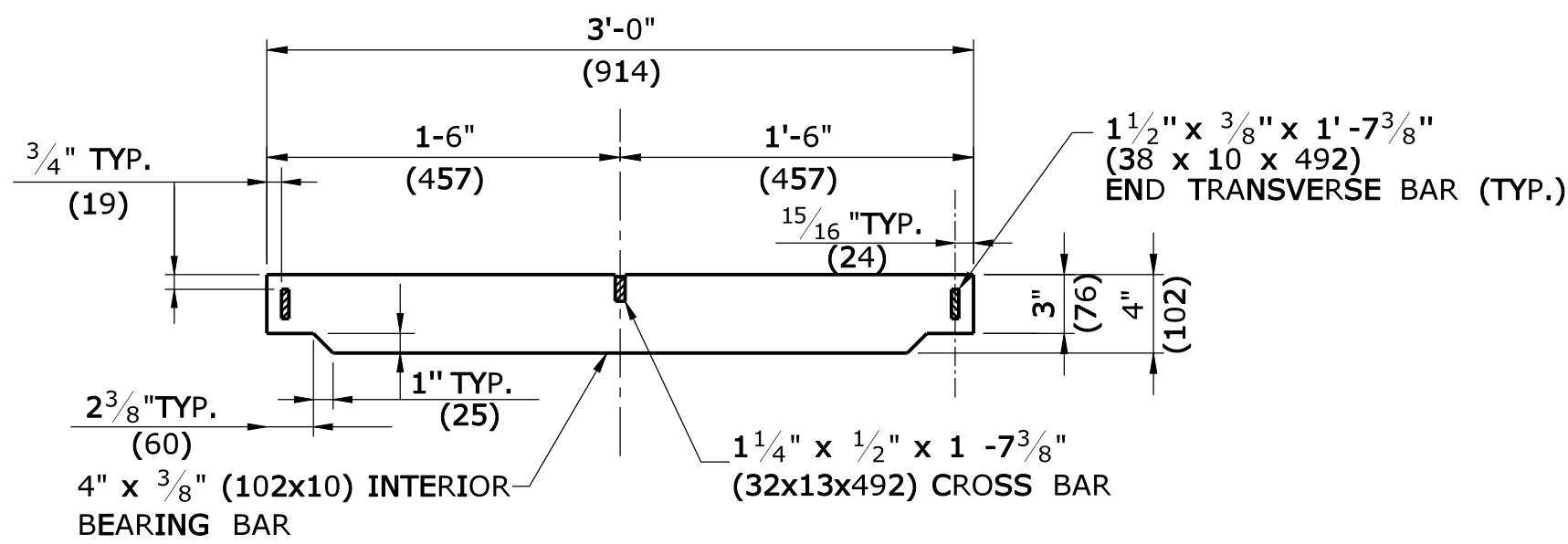
**PLAN**



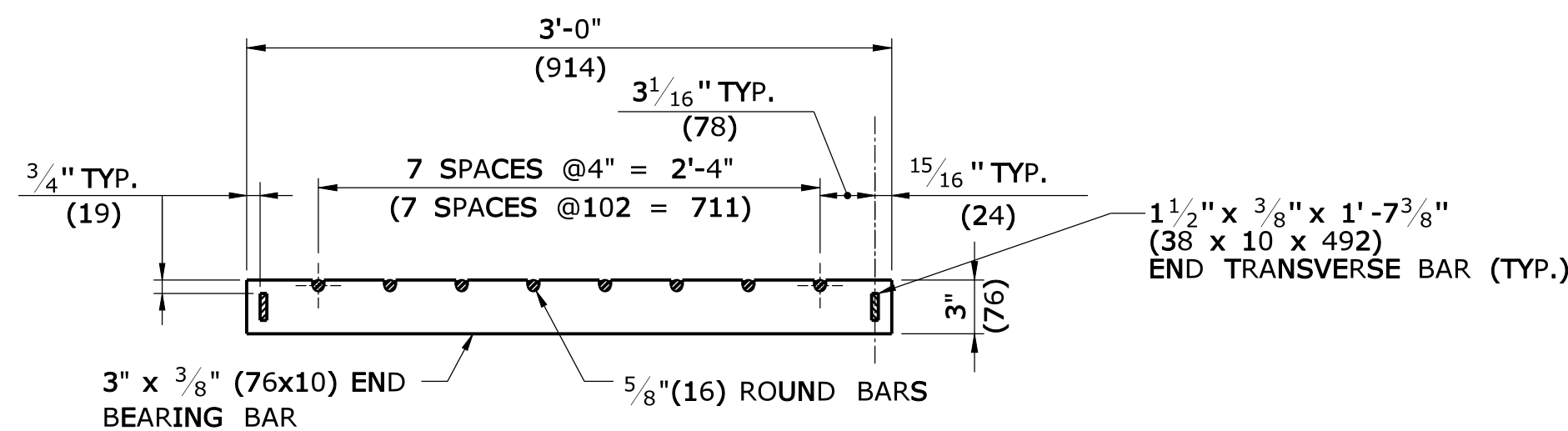
**CAST IRON FRAME ALTERNATE**



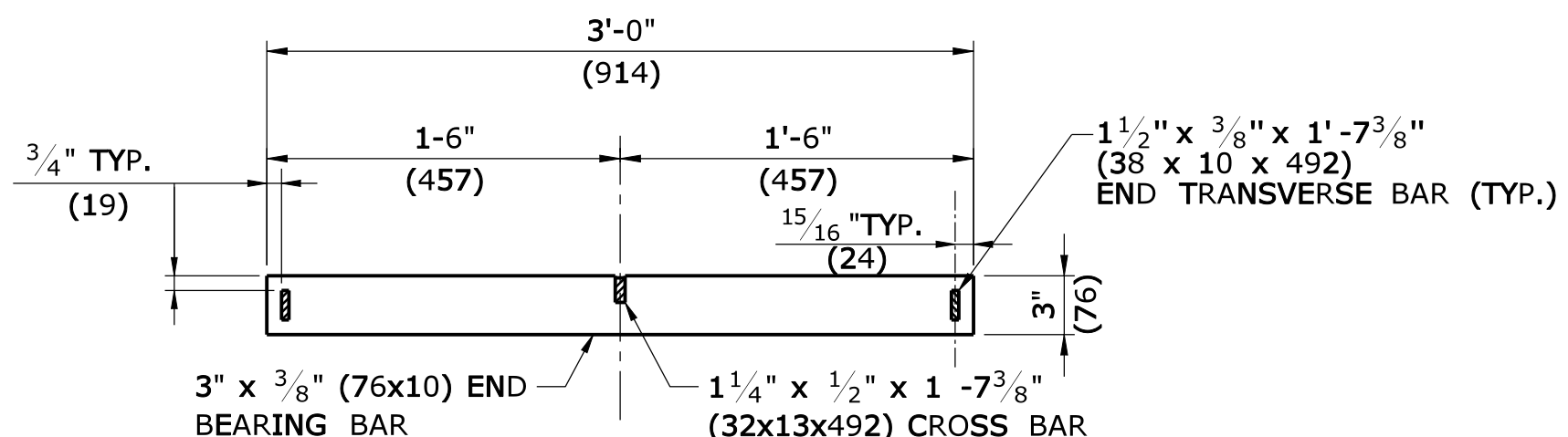
**ELEVATION- INTERIOR BEARING BAR**



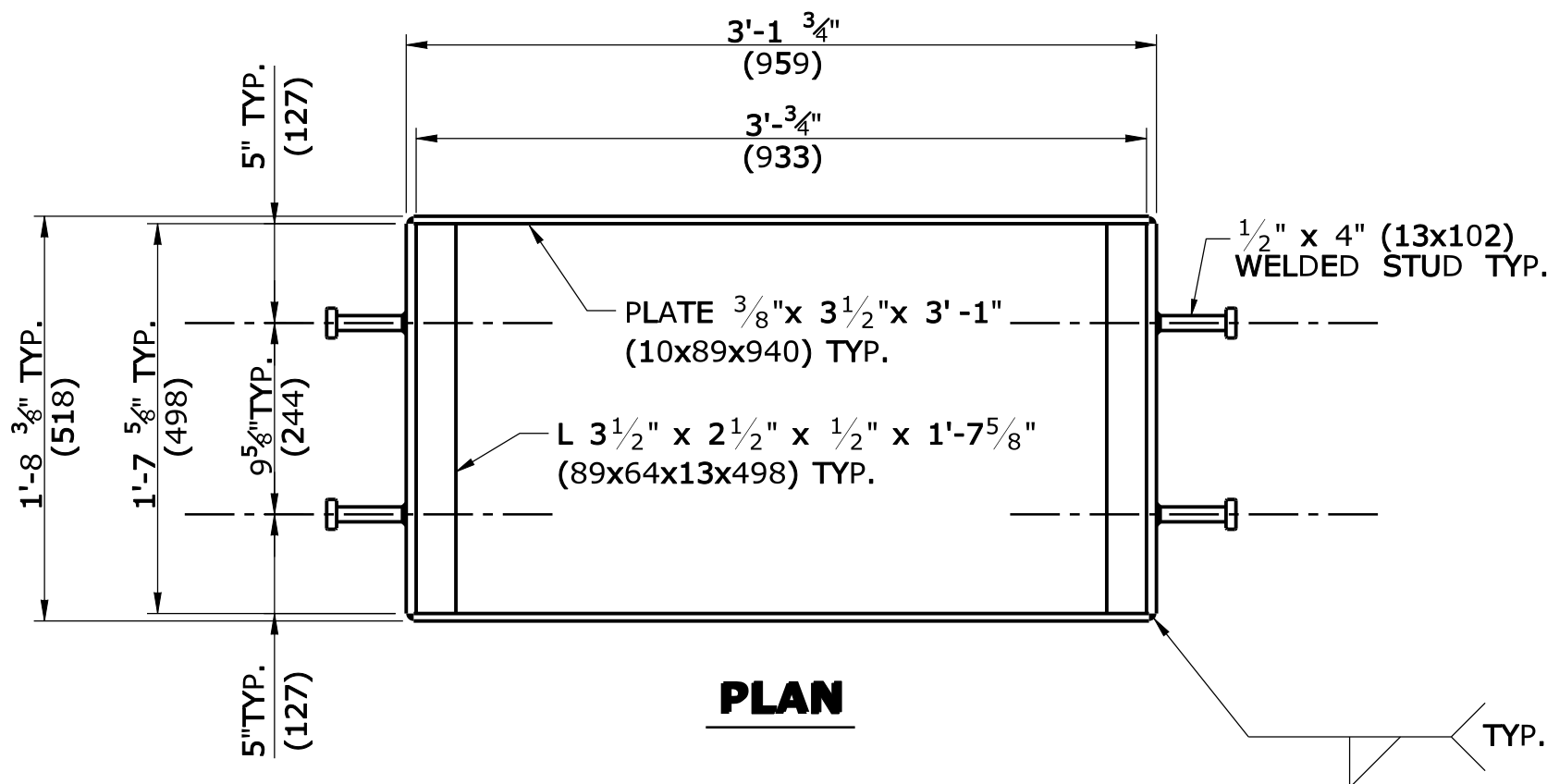
**ELEVATION- INTERIOR BEARING BAR**



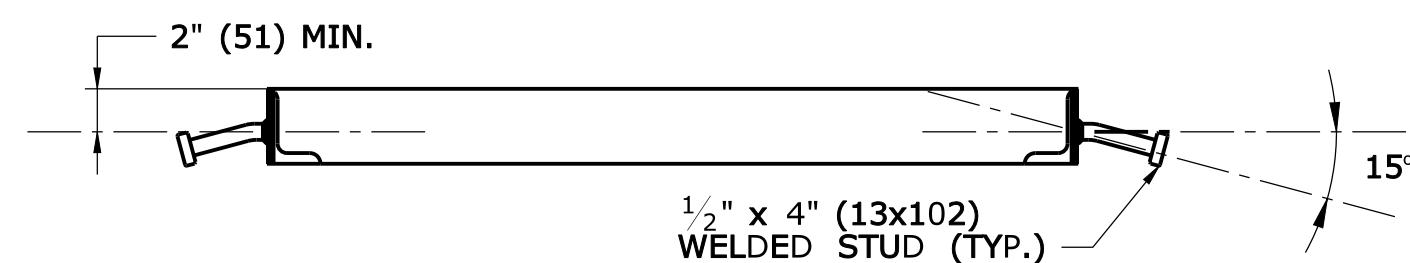
**ELEVATION- END BEARING BAR  
CATCH BASIN GRATE TYPE A**



**ELEVATION- END BEARING BAR  
CATCH BASIN GRATE TYPE B**



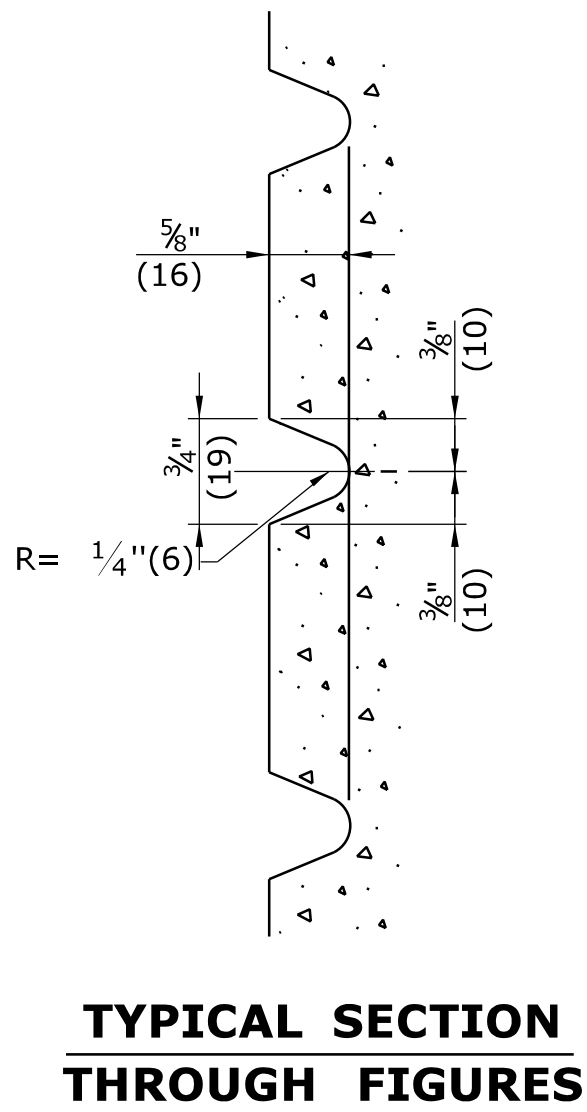
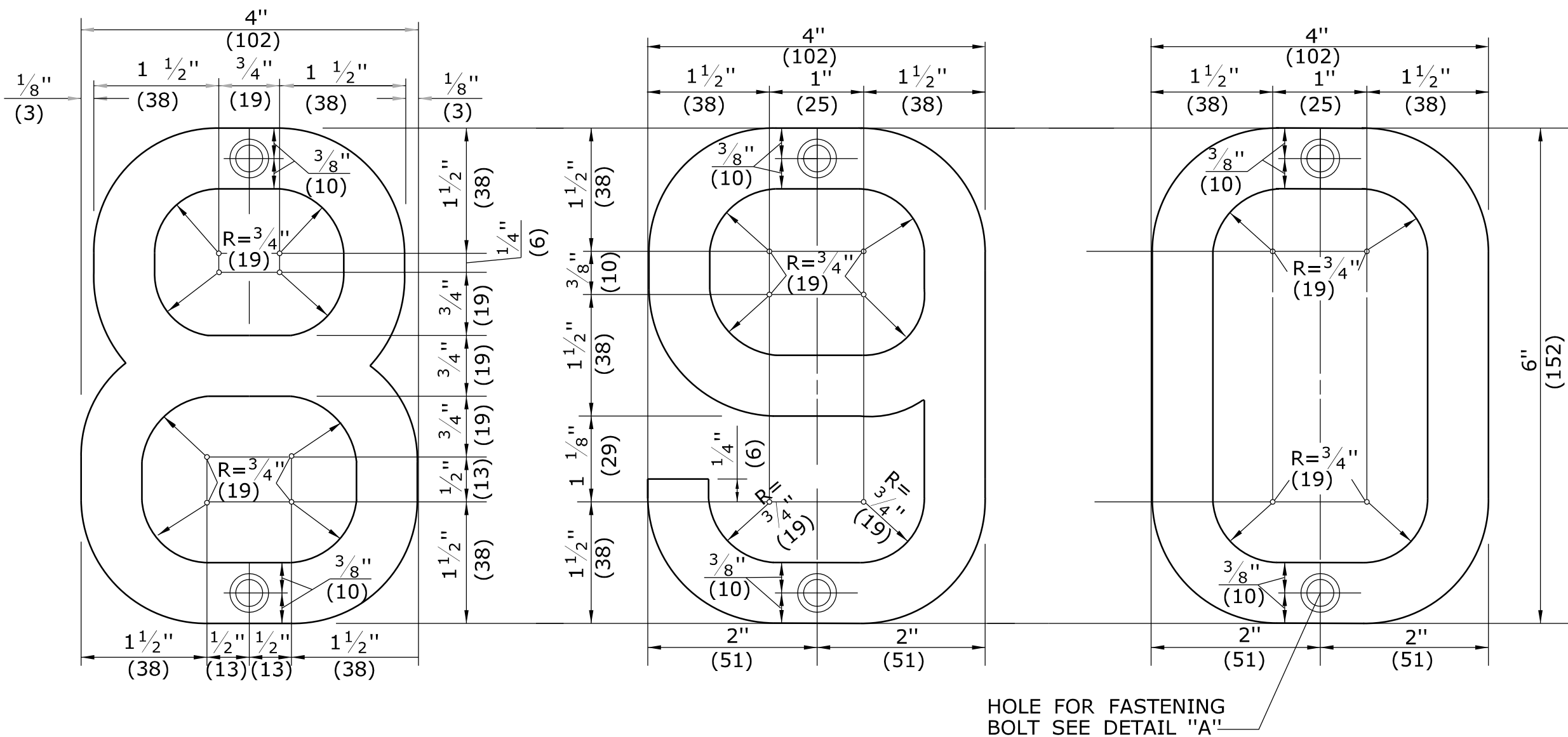
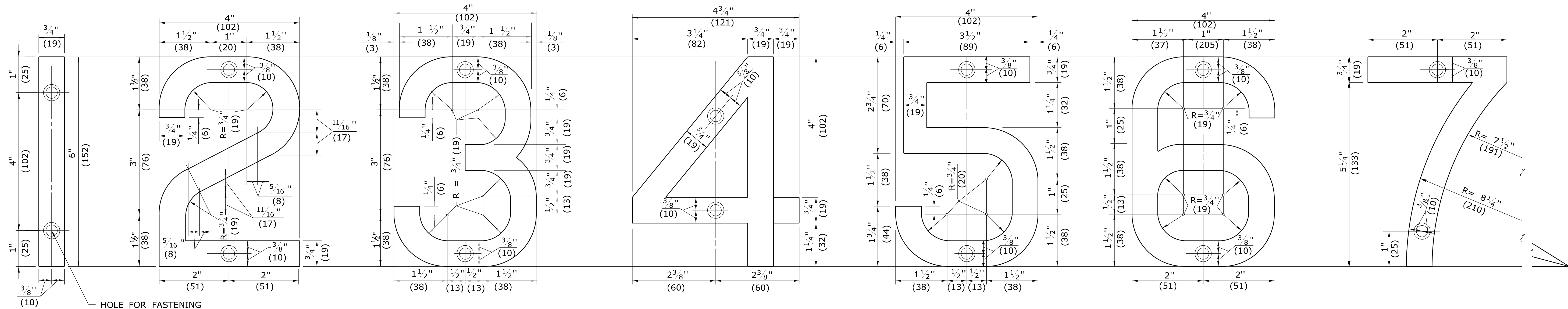
**PLAN**



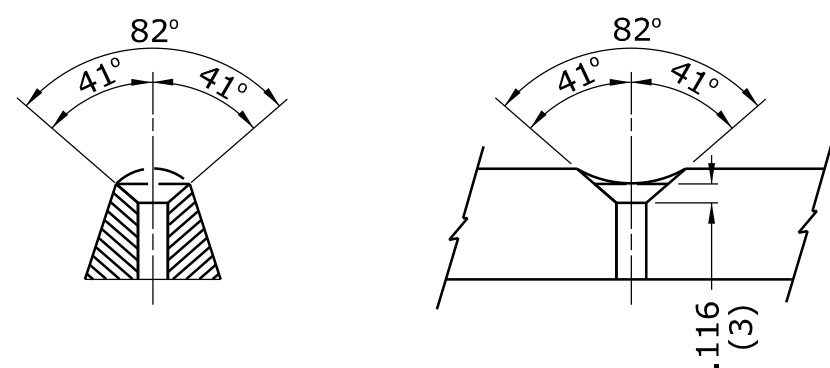
**WELDED STUD ANCHOR DETAILS  
STEEL FRAME**

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED

				THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		NOT TO SCALE		<div><div><div><div><div></div><div>STATE OF CONNECTICUT</div><div>DEPARTMENT OF TRANSPORTATION</div></div><div>Filename: CTDOT_HIGHWAY_STD.dgn      Model: HW-507_08</div></div><div><div>SUBMITTED BY:      NAME/DATE/TIME:</div><div>Timothy M. Wilson 2009.09.16 11:16:32 -04'00'</div><div>APPROVED BY:      NAME/DATE/TIME:</div><div>James H. Norman 2009.09.18 14:22:33 -04'00'</div></div></div></div>		CTDOT STANDARD SHEET  OFFICE OF ENGINEERING		STANDARD SHEET TITLE:  CATCH BASIN FRAMES AND GRATES		STANDARD SHEET NO.:  HW-507_08	
REV.	DATE	REVISION	DESCRIPTION	Plotted Date: 9/11/2009											

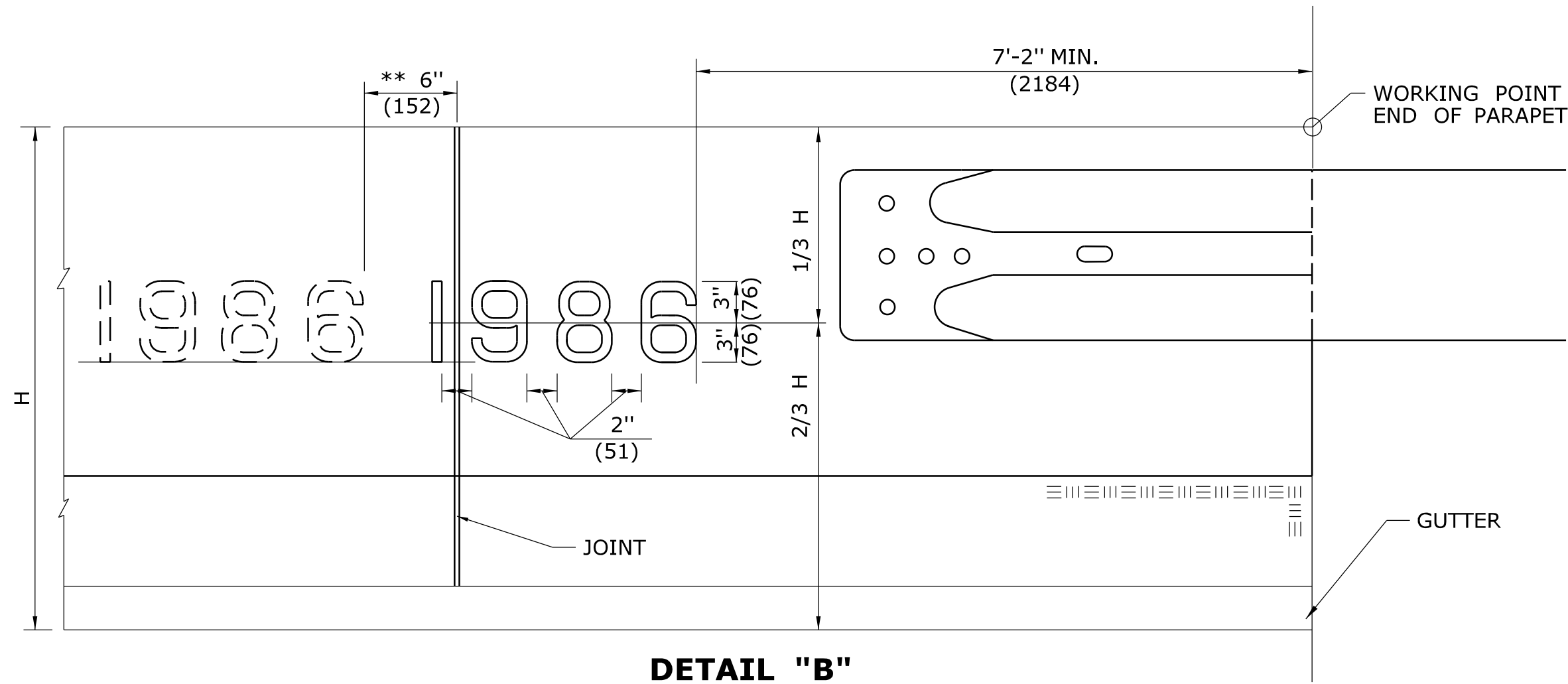


**TYPICAL SECTION  
THROUGH FIGURES**



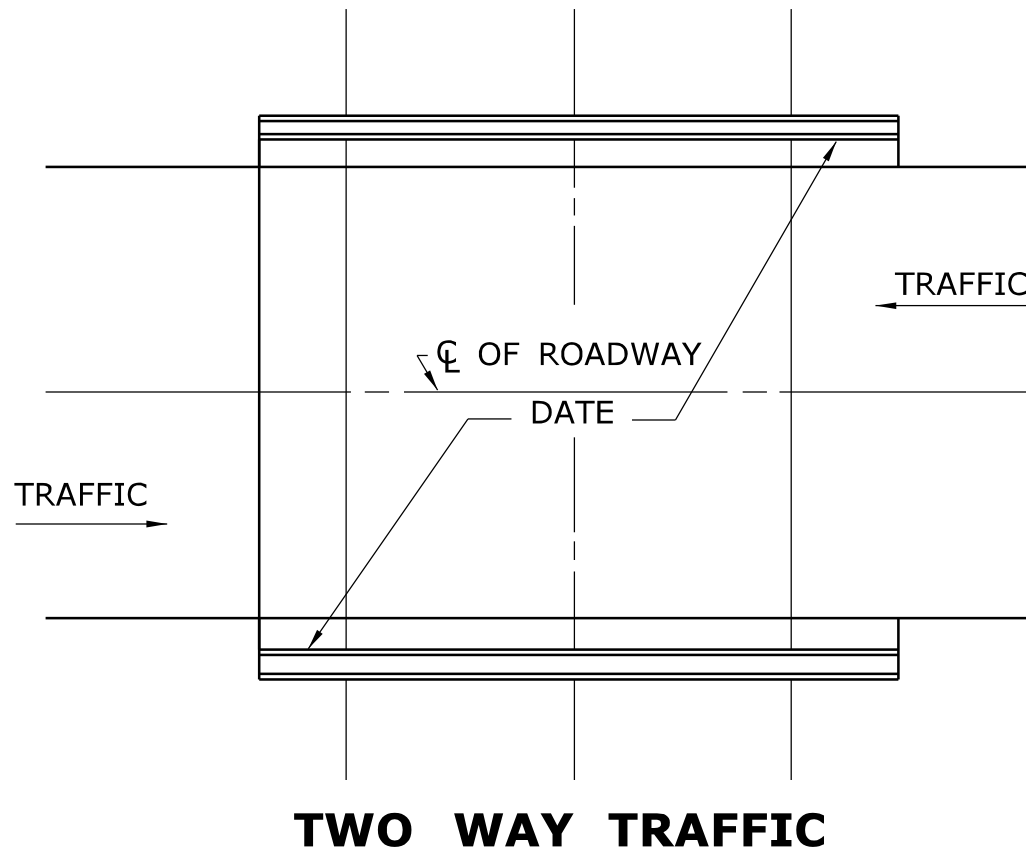
DRILL HOLE WITH #9 DRILL & COUNTERSINK  
FOR STD.  $\frac{3}{16}$ " (5) - 24th FLATHEAD STOVE BOLT  
OR #10 - 24th FLATHEAD MACHINE SCREW.

**DETAIL "A"  
HOLE FOR FASTENING BOLT**

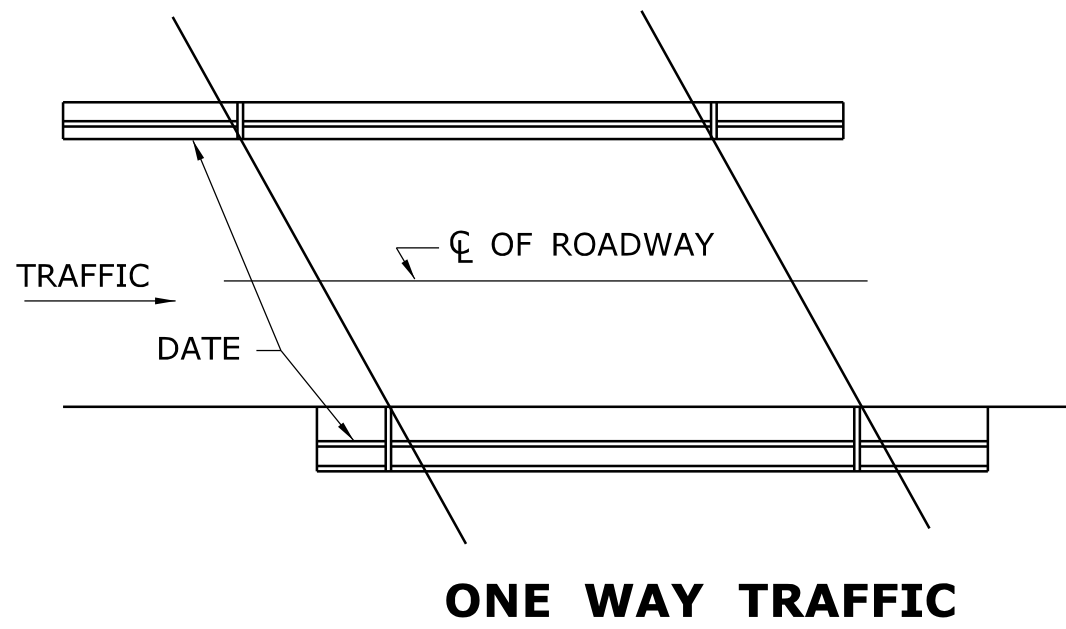


**DETAIL "B"  
DATE LOCATION ON PARAPET**

NOTE:  
\*\*WHERE A JOINT INTERFERES, PLACE FIGURES FOR DATE 6"(152) TO THE LEFT OF JOINT AS INDICATED.  
WHERE THE END OF GUIDERAIL ELEMENT INTERFERS, PLACE FIGURES FOR DATE 6"(152) TO THE LEFT  
OF THE END OF RAIL ELEMENT.  
H = PARAPET HEIGHT AT END - WORKING POINT




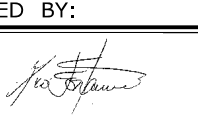

**TWO WAY TRAFFIC**



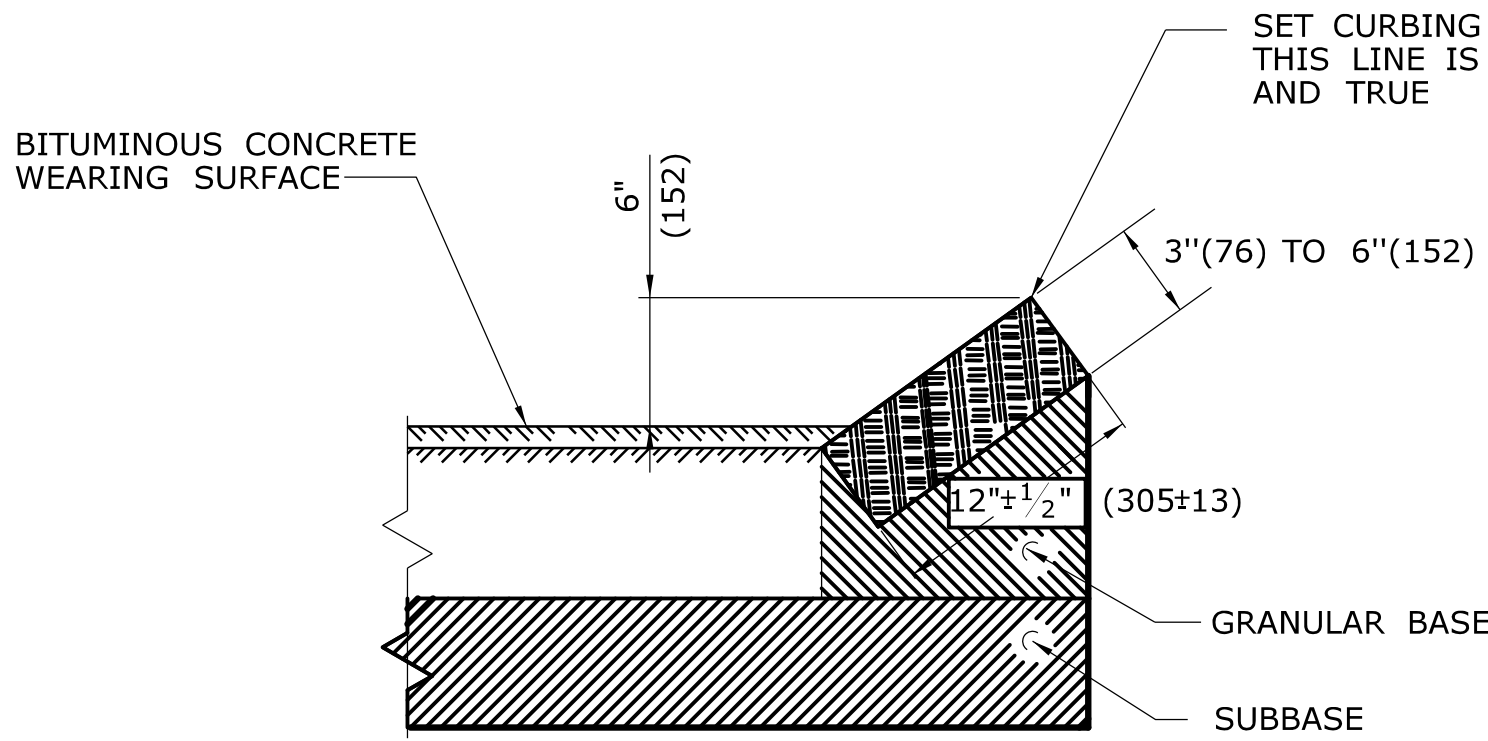
**ONE WAY TRAFFIC**

**TYPICAL PLAN OF BRIDGE SHOWING LOCATION OF DATE AT COMPLETION**

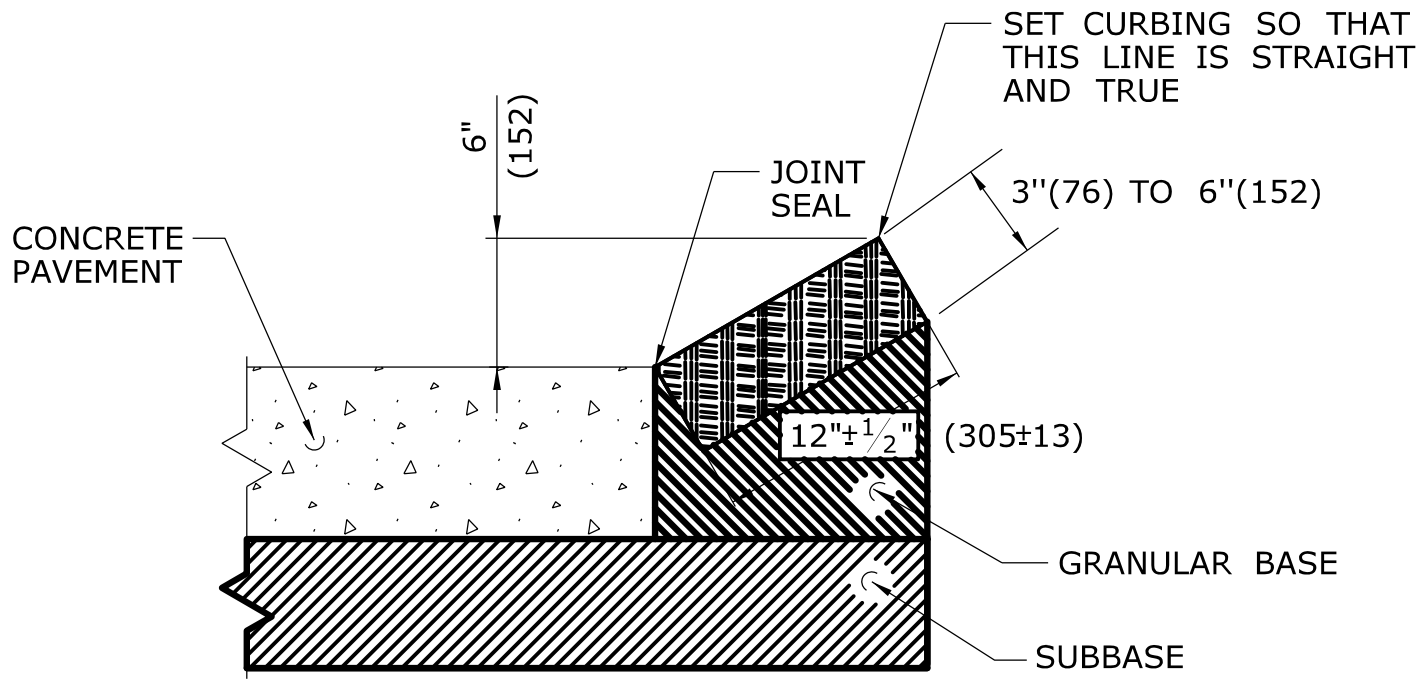
ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED

1	6/11	REVISE MIN. LENGTH OF GUIDERAIL ATTACHMENT	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	NOT TO SCALE	 <b>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</b>	SUBMITTED BY:  NAME/DATE/TIME: Digitally signed by Leo Fontaine DN: cn=Leo Fontaine, o=Connecticut, ou=Department of Transportation, email=Leo.Fontaine@ct.gov, c=State of Connecticut, c=US, postalCode=06100 Date: 2011.05.18 11:48:36 -0400	<b>CTDOT STANDARD SHEET</b>	STANDARD SHEET TITLE: <b>FIGURES FOR DATES ON BRIDGE PARAPETS</b>	STANDARD SHEET NO.: <b>HW-601_01</b>
-	-	-							
-	-	-							
-	-	-							
-	-	-							
REV.	DATE	REVISION DESCRIPTION	Plotted Date: 5/10/2011		Filename: CTDOT_HIGHWAY.STD_JUNE2011.dgn Model: 16 - HW-601_01	APPROVED BY:  NAME/DATE/TIME: James H. Norman 2011.06.09 15:09:18 -04'00	<b>OFFICE OF ENGINEERING</b>		

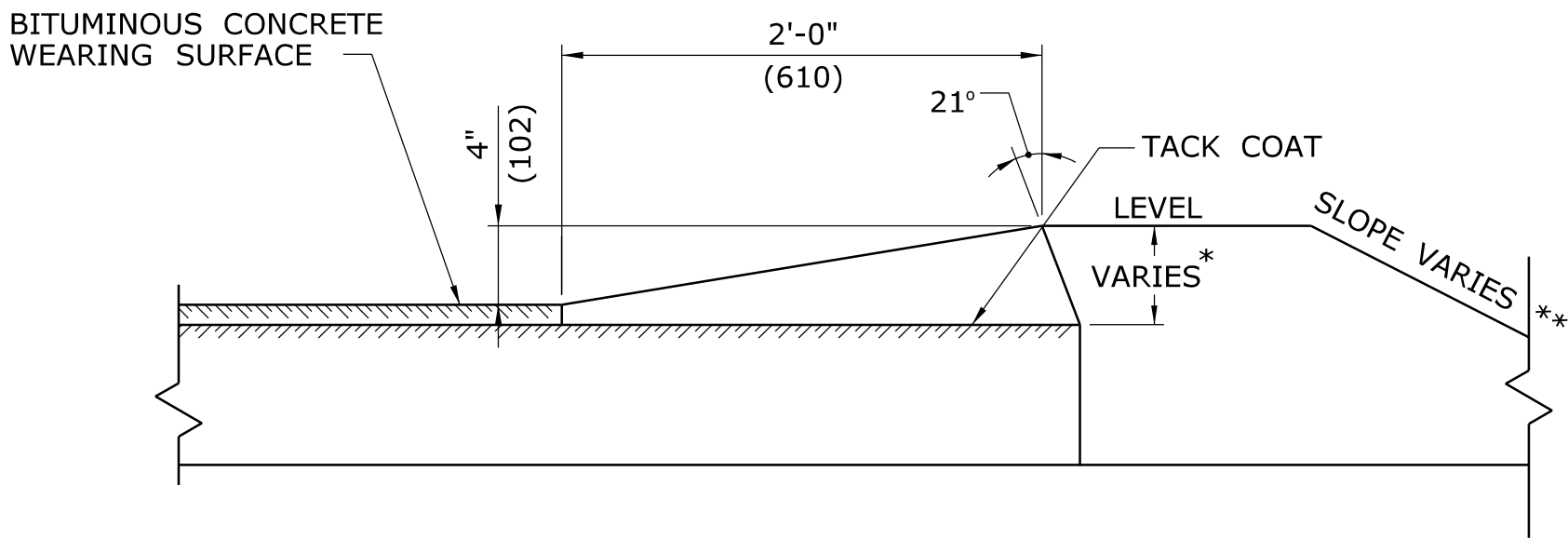




TYPICAL SECTION SHOWING SLOPE CURBING SET ADJACENT TO BITUMINOUS CONCRETE SURFACES



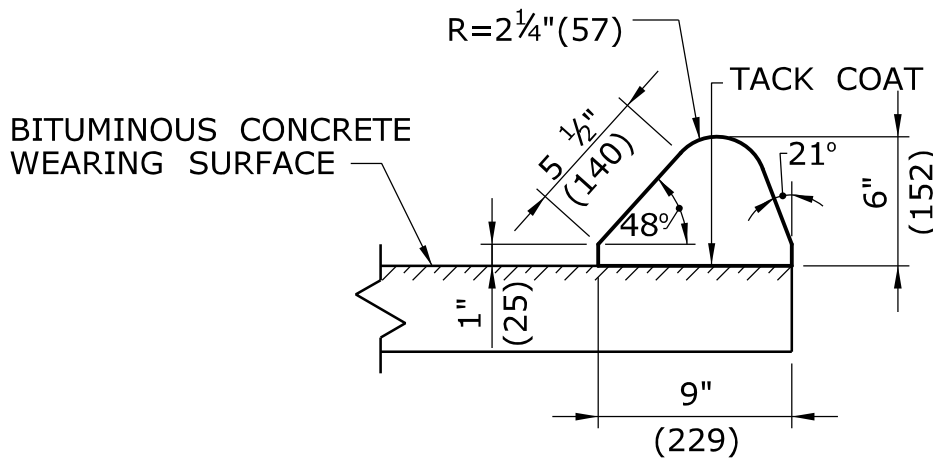
TYPICAL SECTION SHOWING SLOPE CURBING SET ADJACENT TO CONCRETE SURFACES



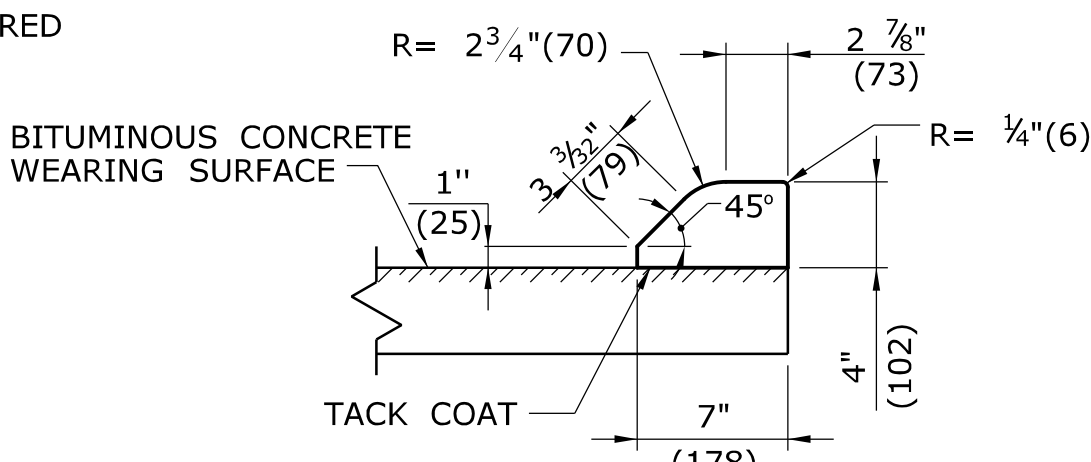
\* THIS DIMENSION VARIES WITH THE THICKNESS OF THE TOP COURSE AND SLOPE OF SHOULDER.  
\*\* SEE TYPICAL SECTIONS FOR PROJECT. IN FILL AREAS 2'(610) LEVEL BEHIND THE CURB IS REQUIRED.

### GRANITE SLOPE CURBING

1/2"(13) MORTAR JOINT REQUIRED

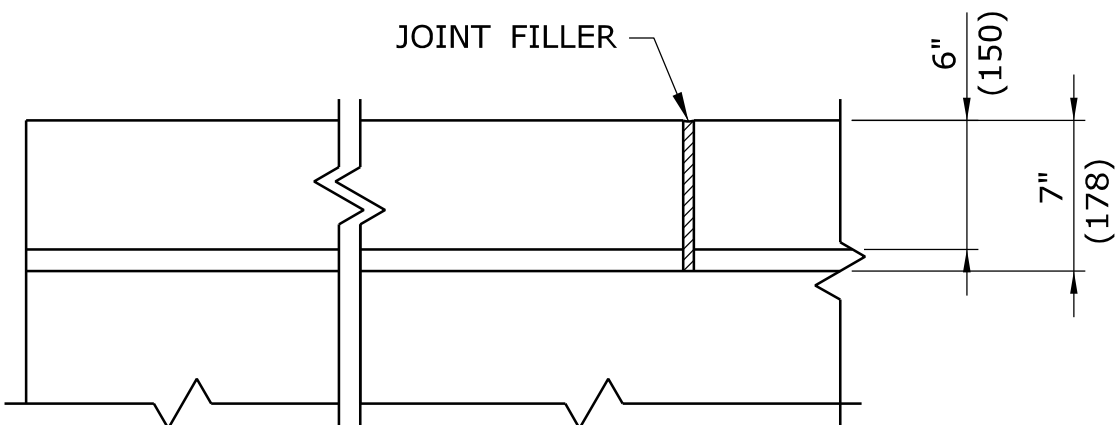


### 6"(150) BITUMINOUS CONCRETE LIP CURBING

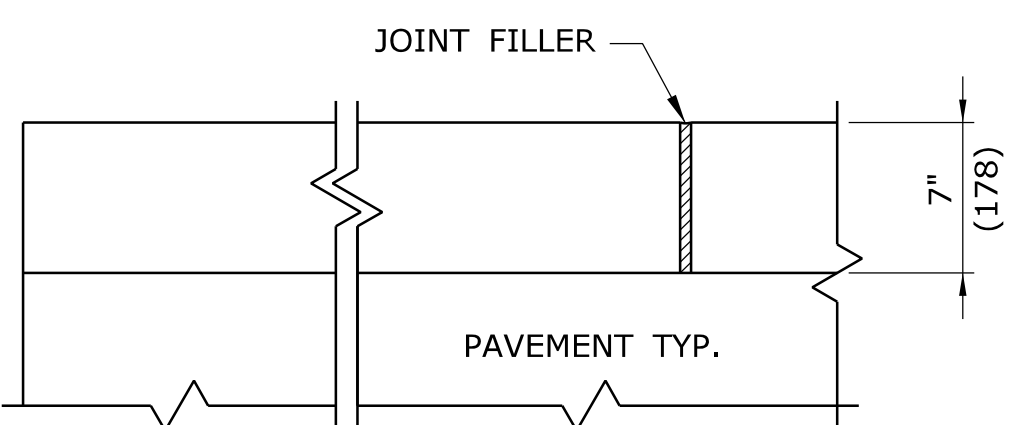


### 4"(100) BITUMINOUS CONCRETE PARK CURBING

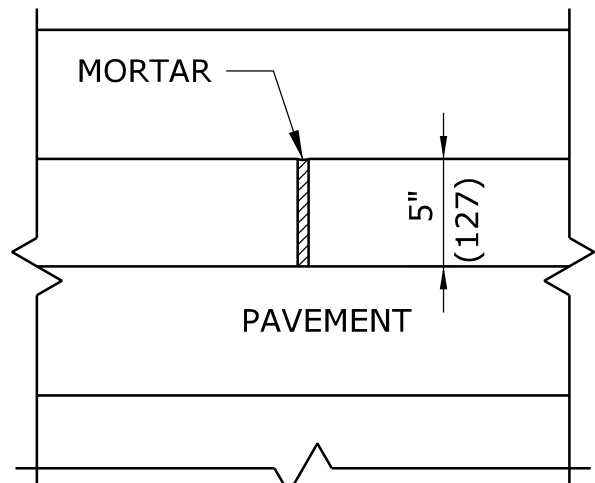
### BITUMINOUS CONCRETE BERM



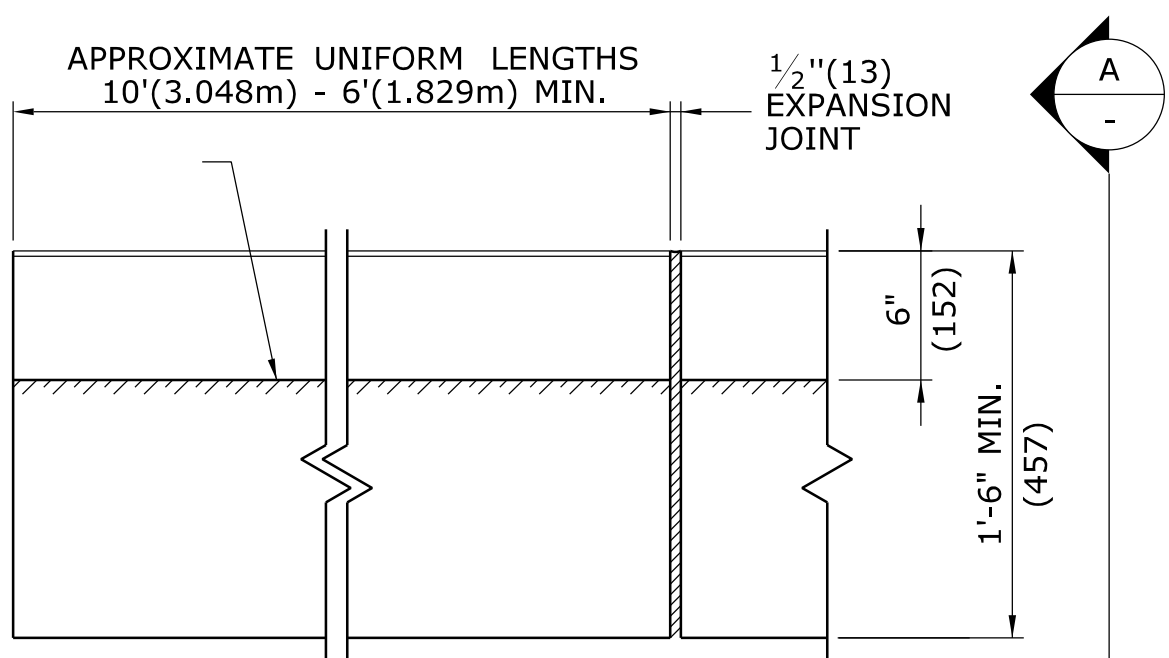
### PLAN



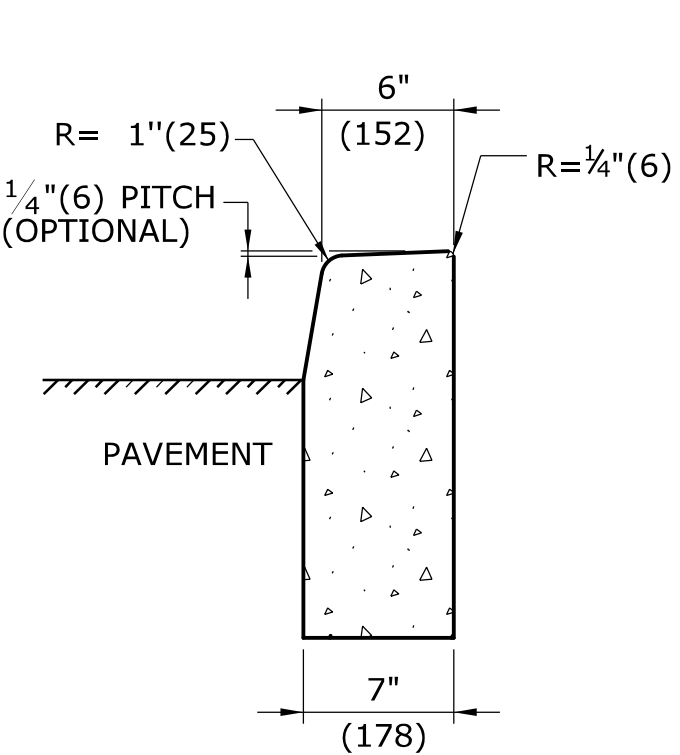
### PLAN



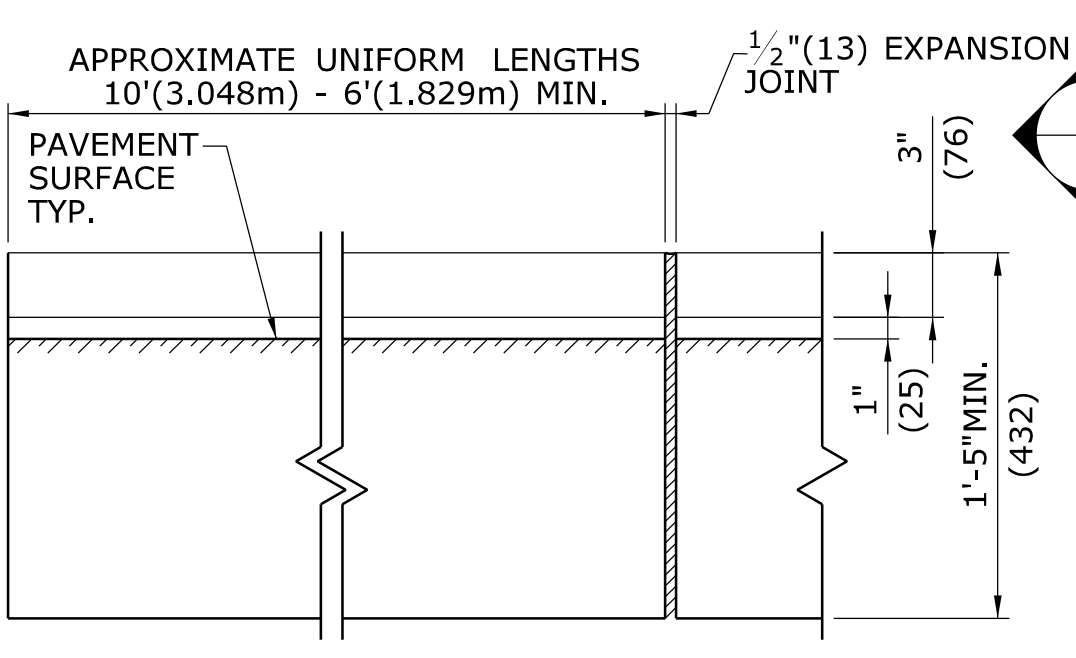
### PLAN



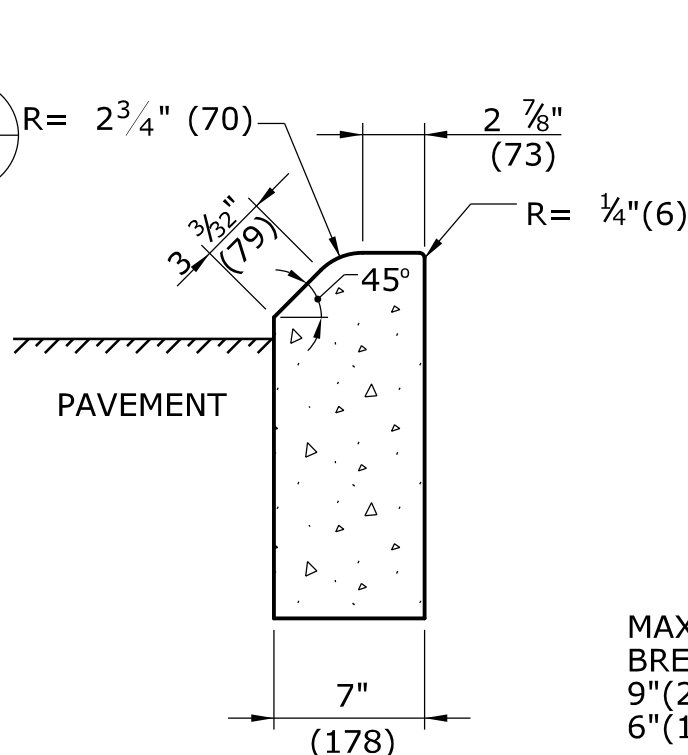
### ELEVATION



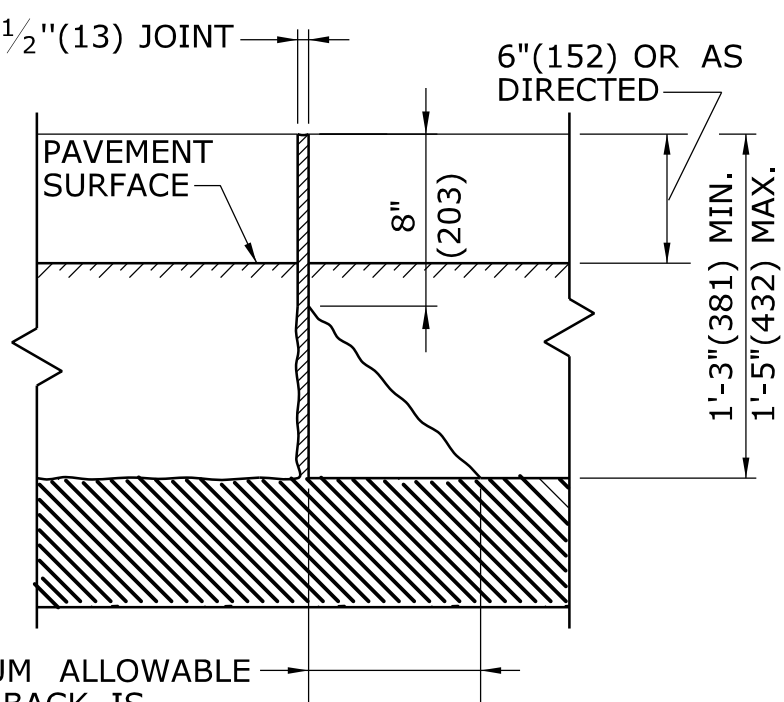
### SECTION A



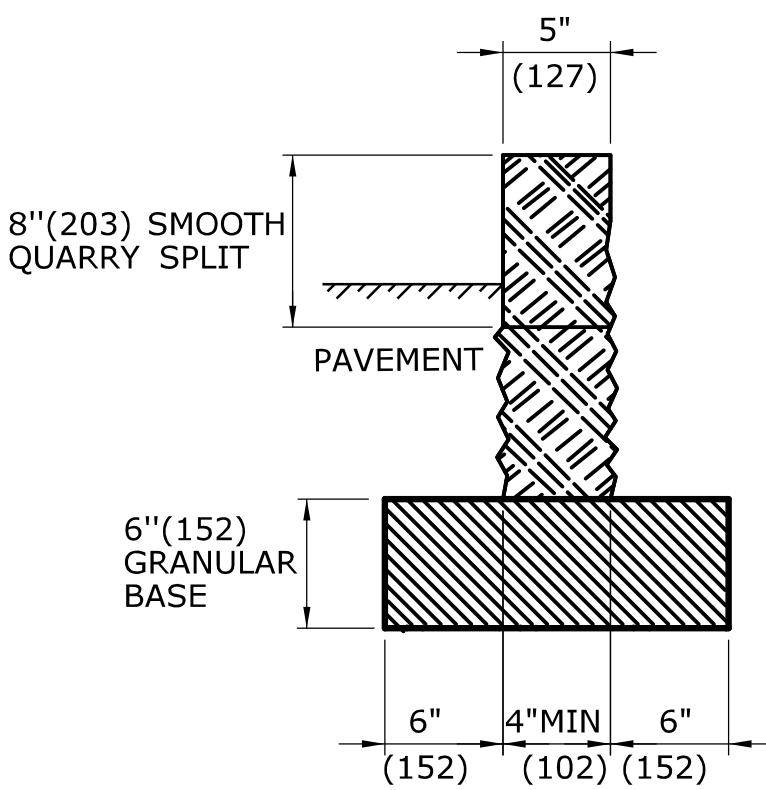
### ELEVATION



### SECTION B



### ELEVATION

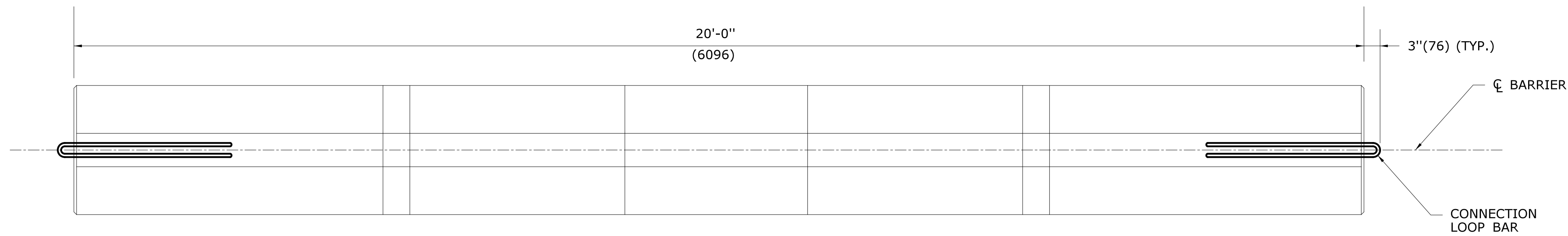


### SECTION C

### STONE CURBING

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED

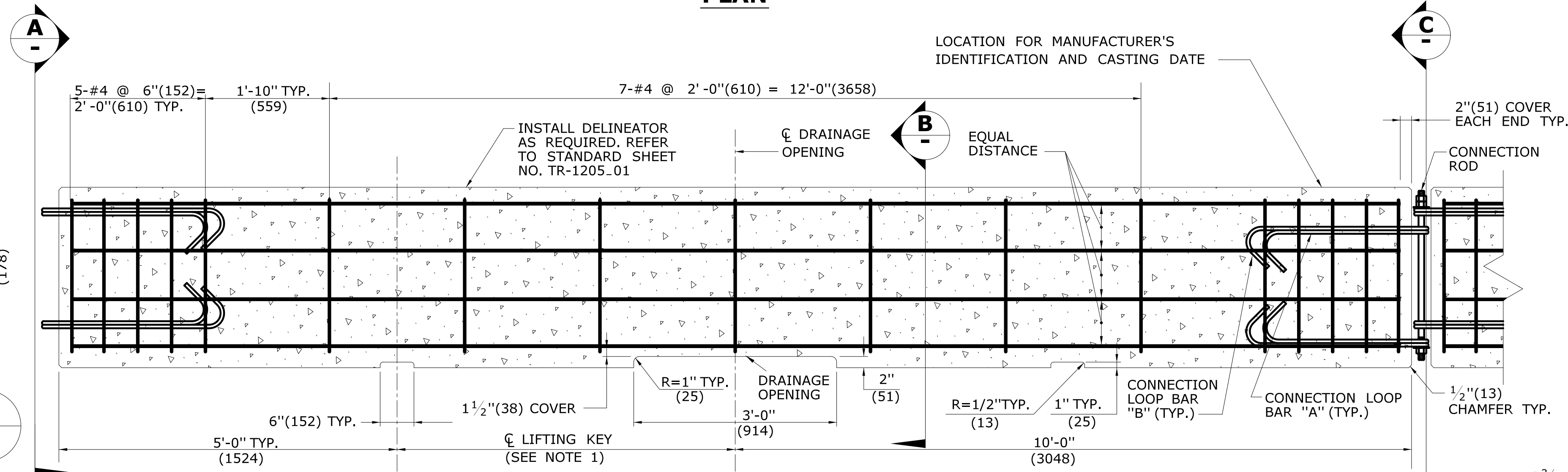
<div> <div> <div>1</div> <div>6/01/10</div> <div>REVISED TITLE FOR 6" CONC. CURB</div> </div> <div> <div>REV.</div> <div>DATE</div> <div>REVISION DESCRIPTION</div> </div> </div>	<div> <div>THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.</div> <div>Plotted Date: 6/23/2011</div> </div>	<div> <div>NOT TO SCALE</div> </div>	<div> <div> <div> <div> <div>STATE OF CONNECTICUT</div> <div>DEPARTMENT OF TRANSPORTATION</div> </div> <div> <div>Filename: CTDOT_HIGHWAY STD_JUNE2011.dgn</div> <div>Model: 22 - HW-811_01</div> </div> </div> </div> </div>	<div> <div> <div> <div>SUBMITTED BY:</div> <div>NAME/DATE/TIME:</div> </div> <div> <div>APPROVED BY:</div> <div>NAME/DATE/TIME:</div> </div> </div> </div>	<div> <div>CTDOT</div> <div>STANDARD SHEET</div> <div>OFFICE OF ENGINEERING</div> </div>	<div> <div>STANDARD SHEET TITLE:</div> <div>CURBING</div> </div>	<div> <div>STANDARD SHEET NO.:</div> <div>HW-811_01</div> </div>
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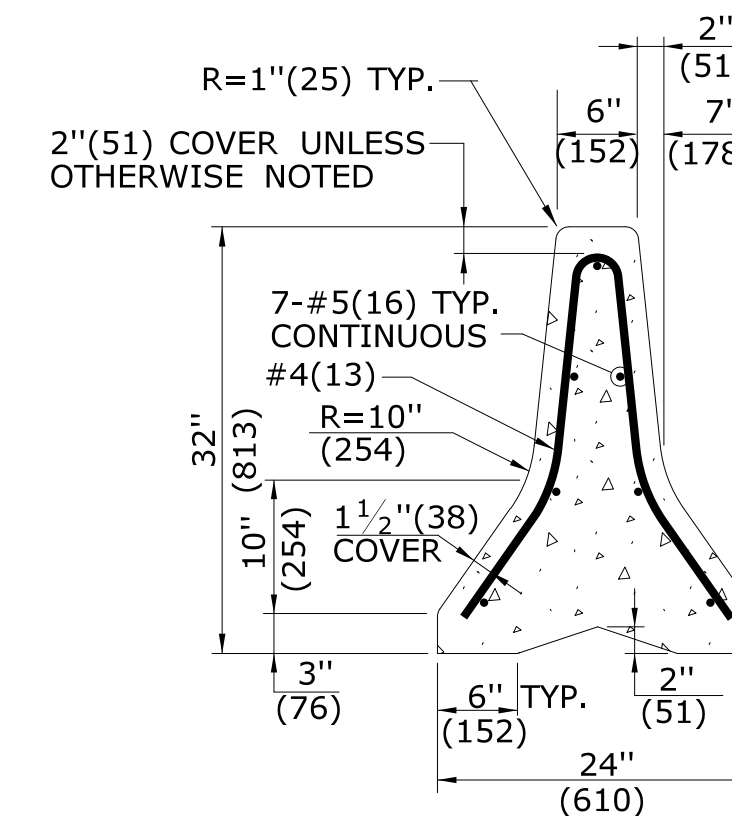
**PLAN**

**GENERAL NOTES:**

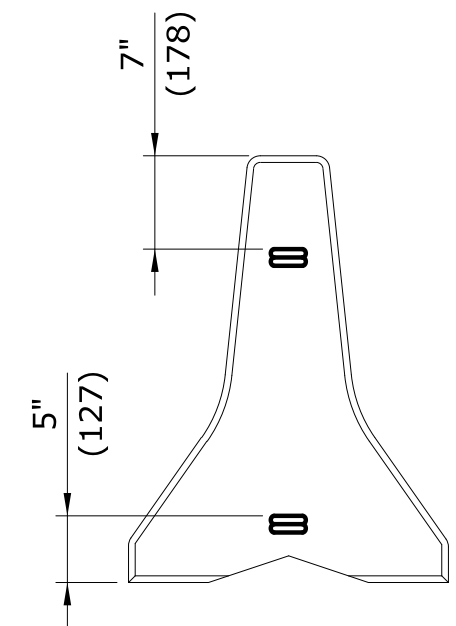
1. ALTERNATE DESIGNS FOR LIFTING KEYS, HOLES OR OTHER HANDLING DEVICES MAY BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
2. EXPECTED PERMANENT DYNAMIC DEFLECTION IS 3'-6" (1148) BASED ON TL-3 CRASH TESTS WITH 240' (73152) OF TPCBC.



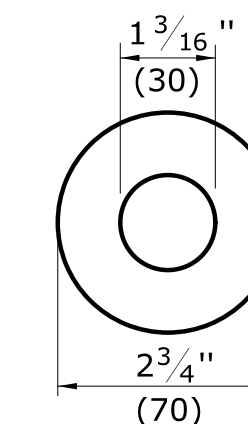
**ELEVATION**



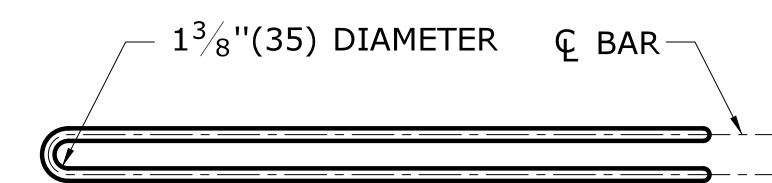
**SECTION B**



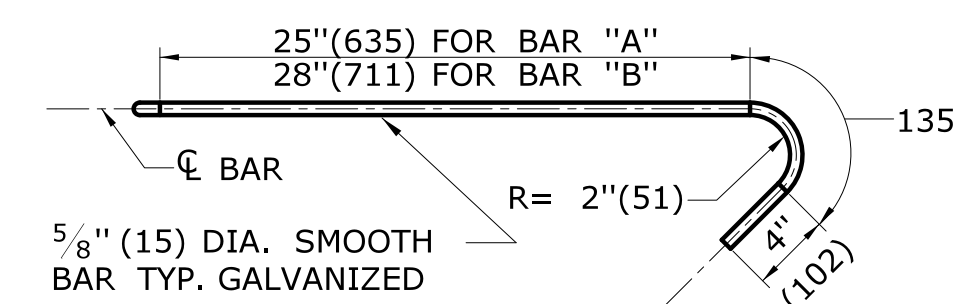
**END VIEW C**



**WASHER DETAIL**



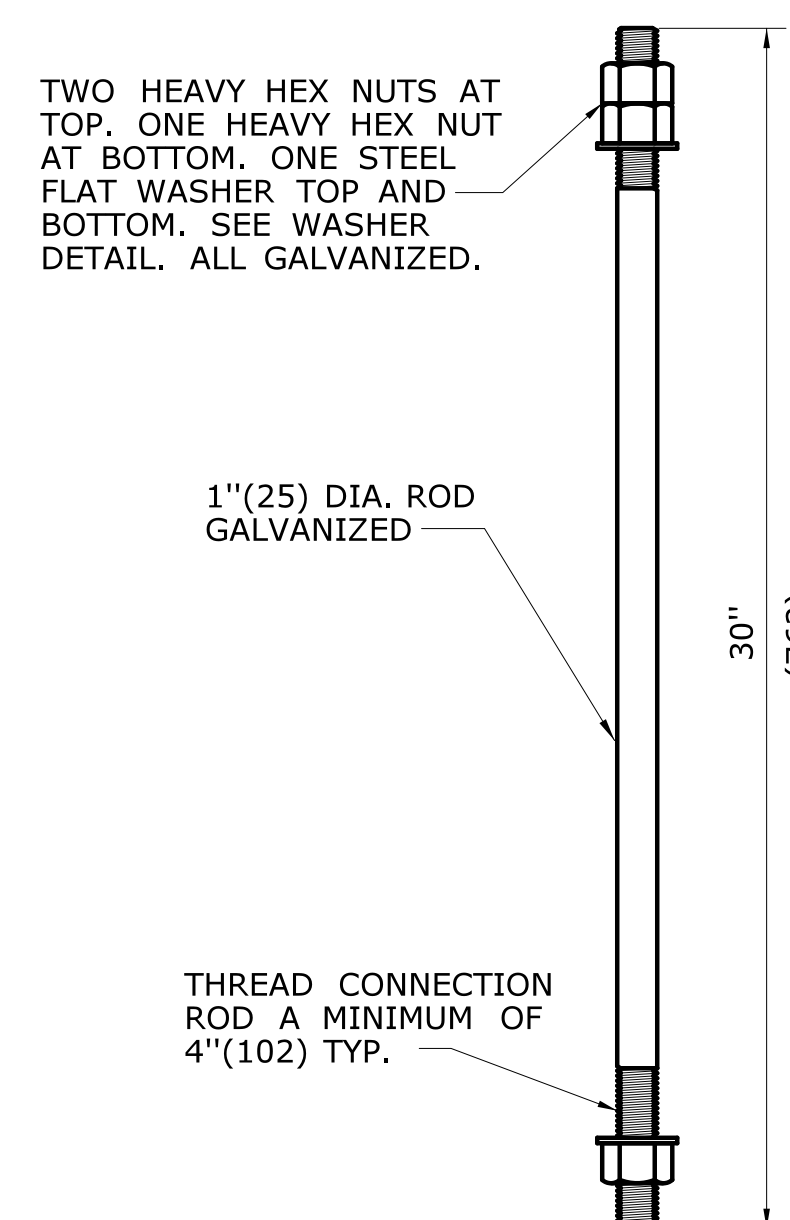
**PLAN**



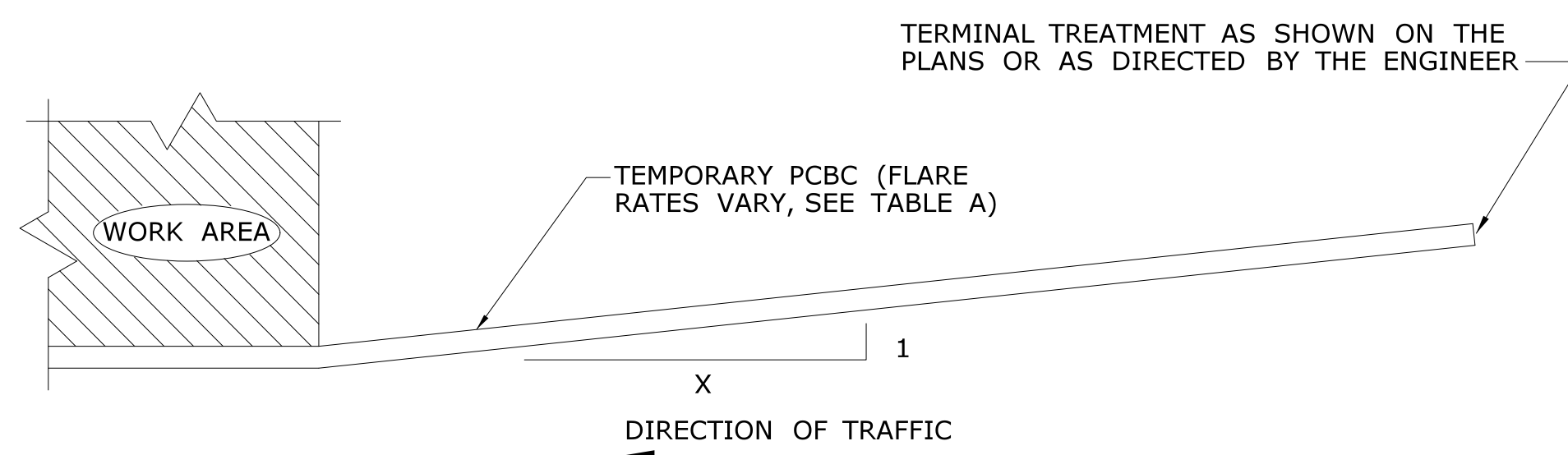
**ELEVATION**

BAR "A" = 6'-0" (1829) TOTAL  
BAR "B" = 6'-6" (1981) TOTAL

**CONNECTION LOOP BAR**



**CONNECTION ROD**



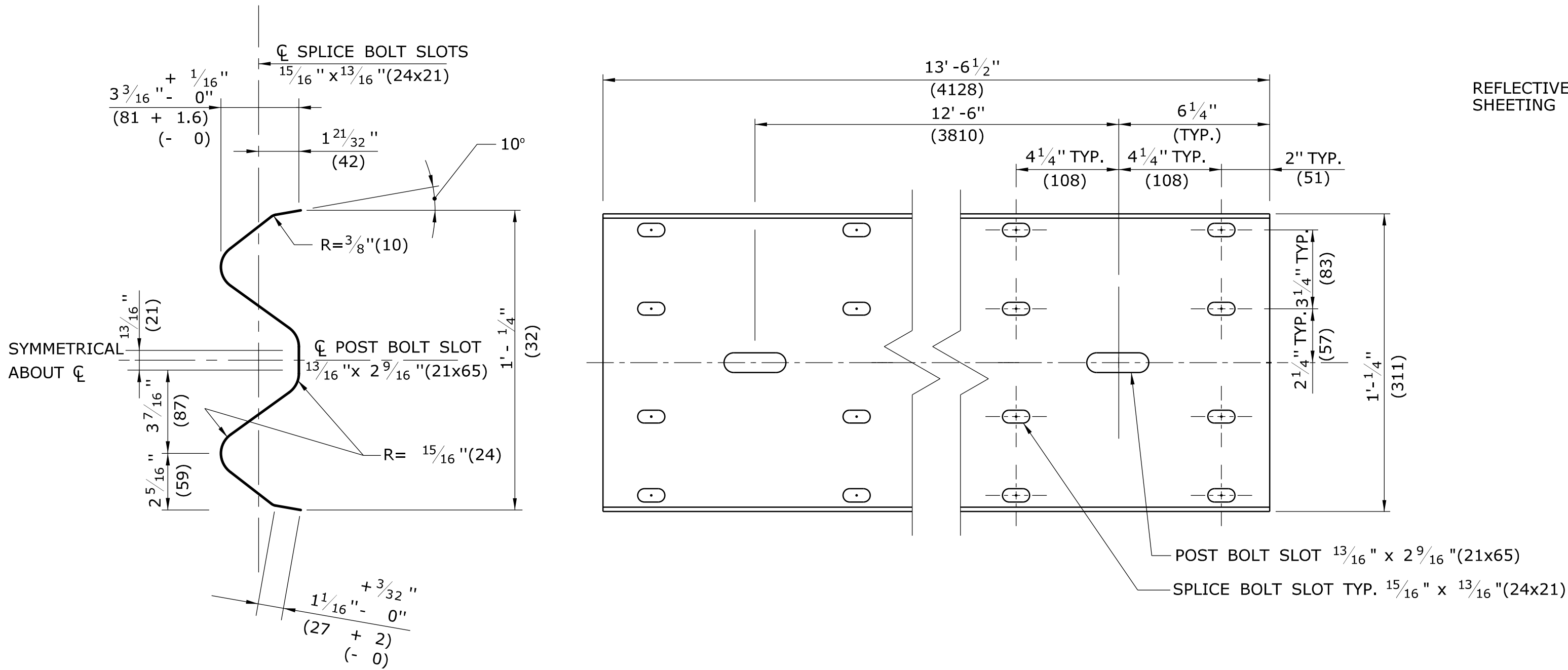
**PLAN - TYPICAL INSTALLATION**

TABLE A	
FLARE RATES	
* SPEED	FLARE RATE (X : 1)
≤ 30MPH(48KPH)	4 : 1
> 30MPH(48KPH) <45MPH(72KPH)	6 : 1
≥ 45MPH(72KPH) NON-LIMITED ACCESS HIGHWAYS	8 : 1
ALL LIMITED ACCESS HIGHWAYS	10 : 1

\* DESIGN SPEED THROUGH THE WORK AREA.

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.

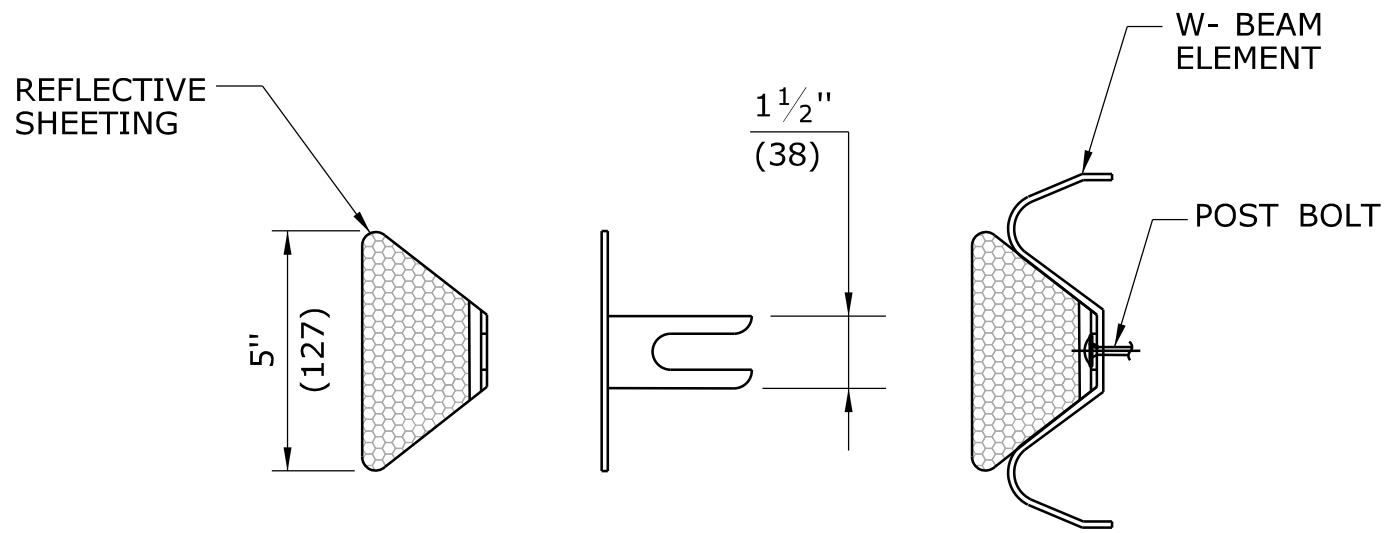




SELECTION THRU RAIL ELEMENT  
END VIEW

NOTE: ALL DIMENSIONS SUBJECT TO  
MANUFACTURING TOLERANCES

TYPICAL W-BEAM RAIL ELEMENT  
CLASS A, TYPE II



DELINEATOR DETAIL

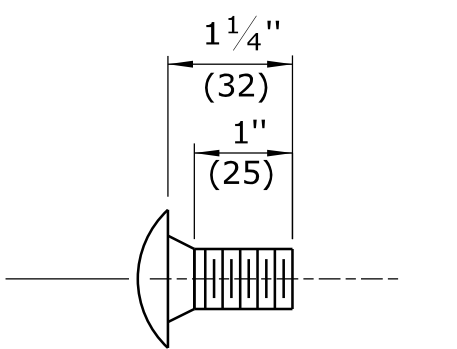
GENERAL NOTES:

1. NEW R-B 350 GUIDERAIL INCLUDING SYSTEMS, ANCHORS AND TRANSITIONS INSTALLED ON EXPRESSWAYS AND RAMPS SHALL USE CLASS B TYPE II (10 GAUGE) W-BEAM RAIL ELEMENTS.
2. W6x9 (W150x14) POSTS MAY BE USED IN PLACE OF W6 x 8.5(W150x13) POSTS.
3. W8x13 (W200x19) POSTS, 7'-6"(2286) LONG, ARE USED WITH TRANSITIONS TO VERTICAL OR SAFETY SHAPE PARAPETS (POSTS 1 AND 2) AND SYSTEM 6.
4. W6x8.5 (W150x13) POSTS, 6'-0"(1829) LONG, ARE USED WITH TRANSITIONS TO VERTICAL OR SAFETY SHAPE PARAPETS (POSTS 3 THROUGH 6), MD-B 350, SYSTEM 5 & 5A, AND STANDARD R-B 350 GUIDERAIL.

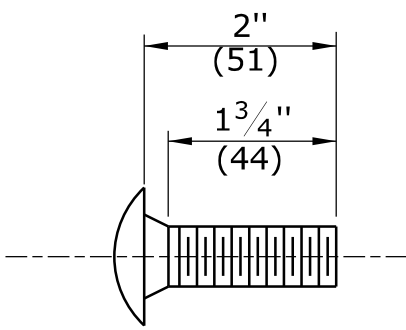
DELINEATOR NOTES:

1. DELINEATORS SHALL BE FORMED OF .080 POLY-CARBONATE OR .080 SHEET ALUMINUM IN ACCORDANCE WITH M.18.13.
2. REFLECTIVE SHEETING SHALL CONFORM TO M.18.09.2.
3. DELINEATORS SHALL BE INSTALLED ON THE POST CLOSEST TO THE DESIGNATED SPACING.
4. REFLECTIVE SHEETING SHALL BE WHITE EXCEPT ON THE LEFT SIDE OF DIVIDED STREETS, HIGHWAYS, RAMPS, AND ONE WAY ROADS IN THE DIRECTION OF TRAVEL WHERE IT SHALL BE YELLOW.
5. INSTALL DELINEATORS ON RAIL THAT IS PARALLEL TO AND NOT GREATER THAN 6'(1829) FROM THE EDGE OF THE ROADWAY. A MINIMUM OF THREE DELINEATORS MUST BE INSTALLED ON ANY RUN OF RAIL.

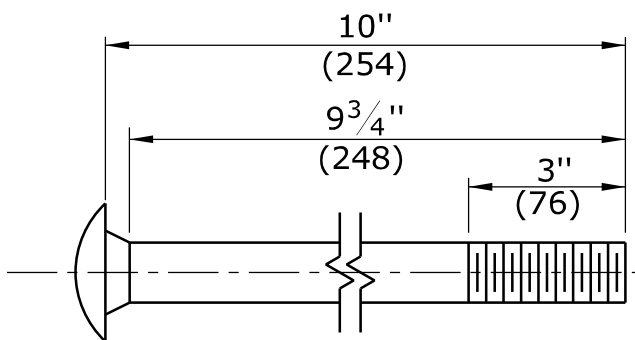
DELINEATOR SPACING:  
RADIUS ≥ 300'(91440) - SPACE EVERY 50'(15.24m)  
RADIUS < 300'(91440) - SPACE EVERY 25'(7.62m)



W-BEAM SPLICE  
BOLT DETAIL

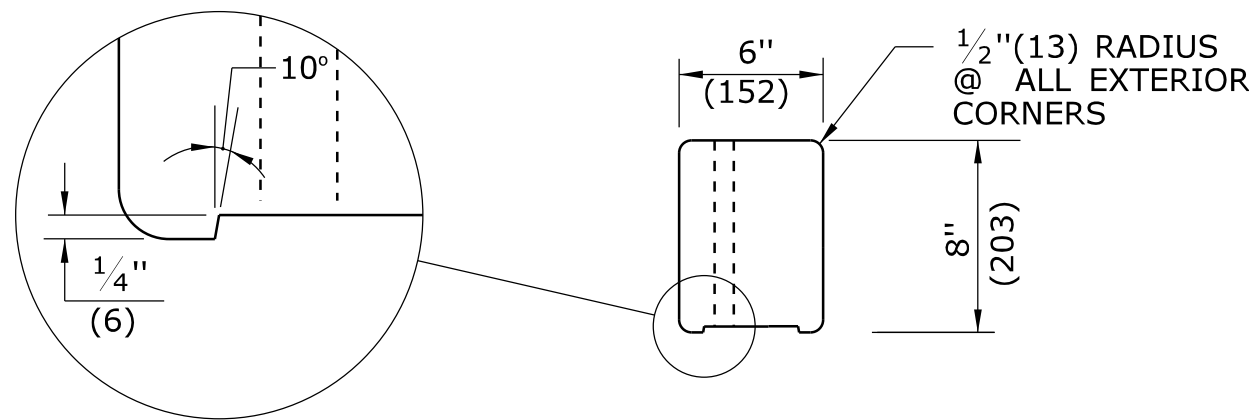


POST BOLT DETAIL  
FOR R-B 350  
SYSTEM 6 RUBRAIL

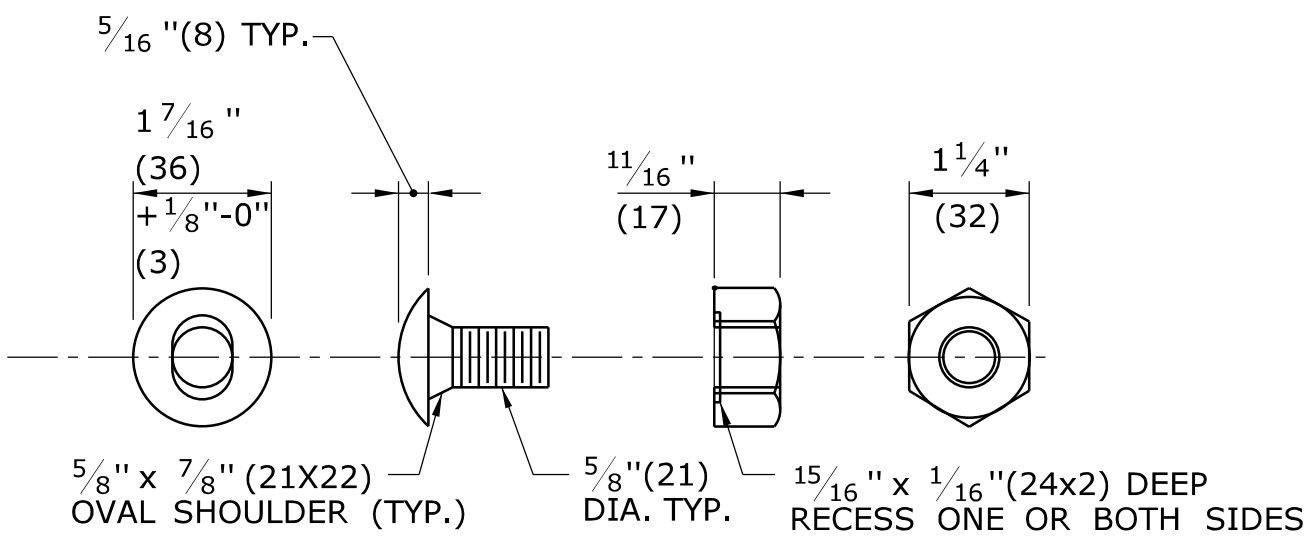
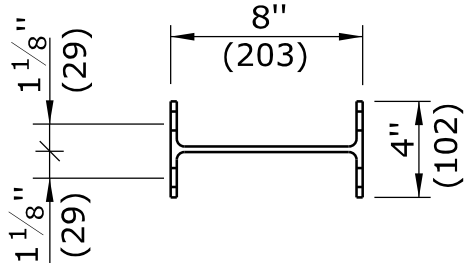
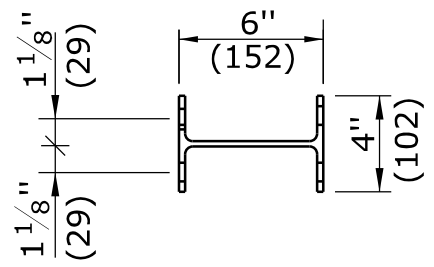


POST BOLT DETAIL FOR R-B 350  
AND MD-B 350 GUIDERAIL

(UNTHREADED PORTION NOT TO EXCEED 6 3/4"(171))



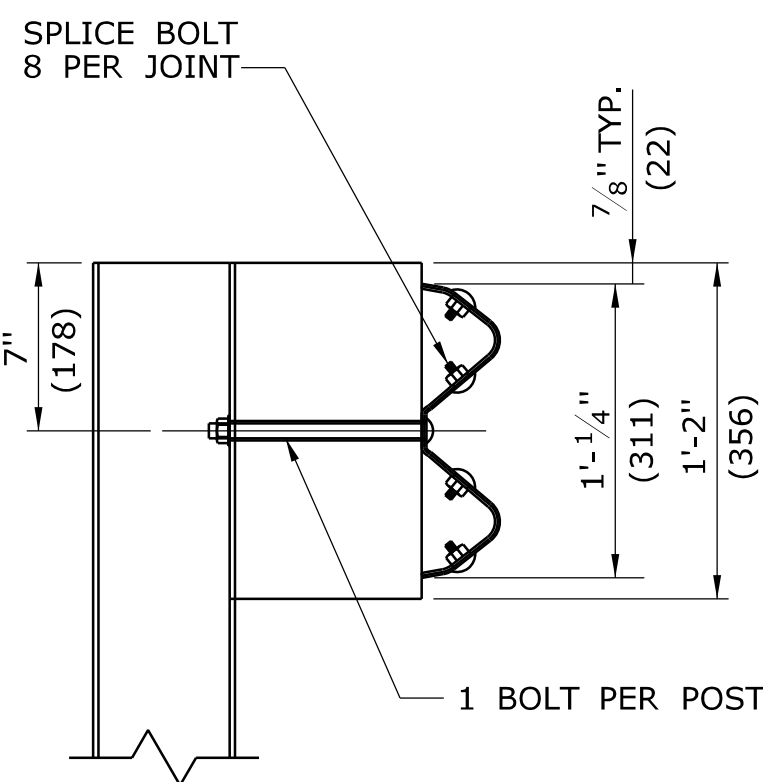
PLAN



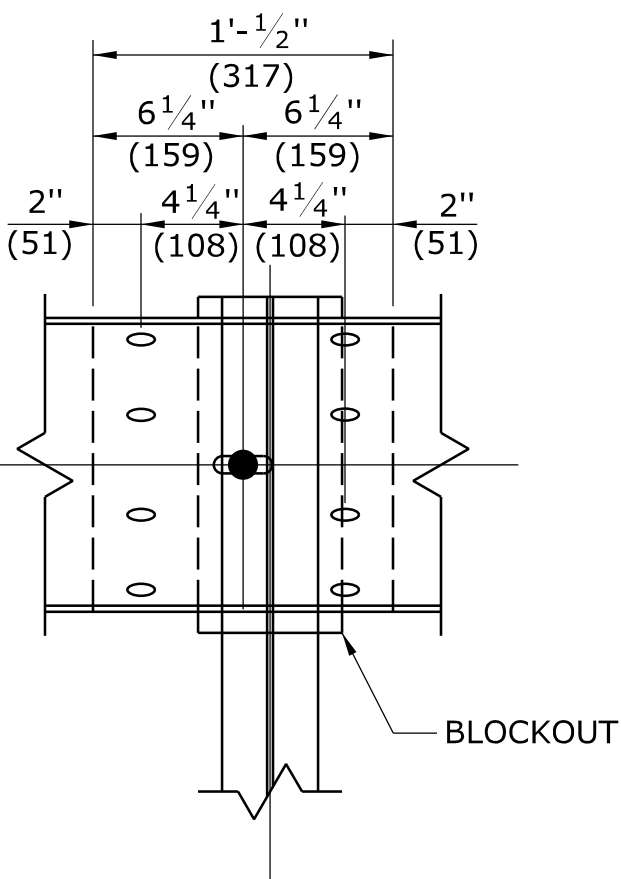
BUTTONHEAD BOLT

HEX NUT

NOTE: AFTER GALVANIZING, THE NUT SHALL BE FREE RUNNING ON THE BOLT. DIAMETER SHOWN IS TYPICAL FOR ALL GUIDERAIL BOLTS. SEE DETAILS ABOVE FOR SPECIFIC LENGTHS.



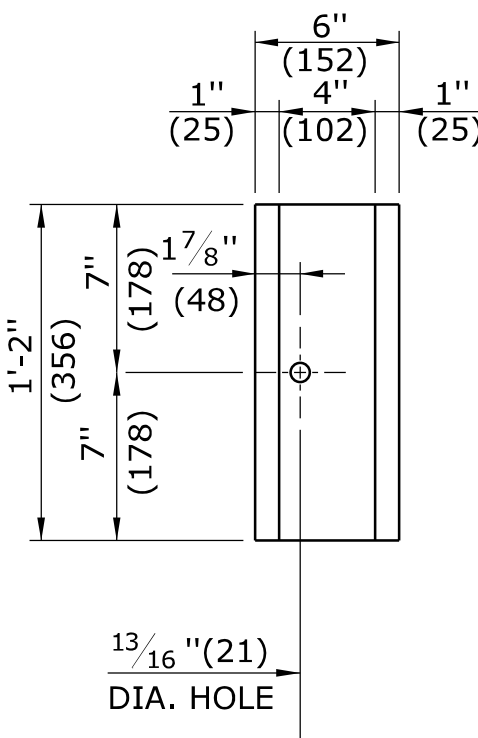
SECTION



ELEVATION

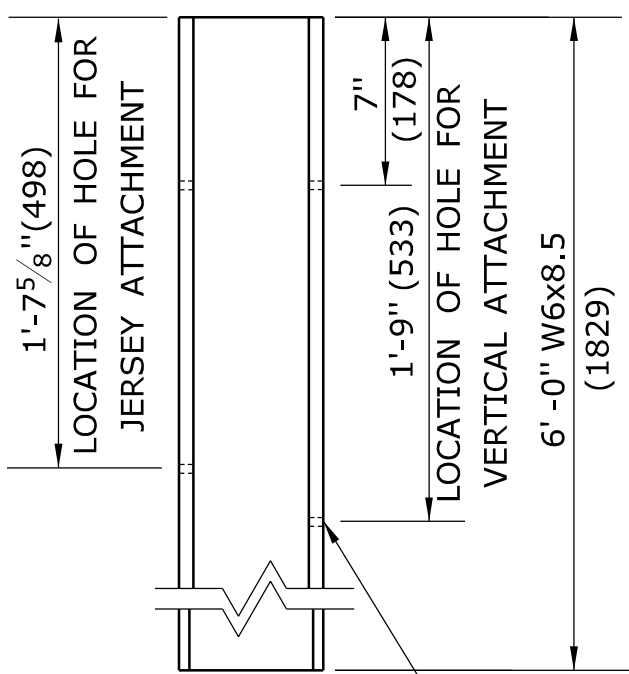
LAP DETAIL

NOTE:  
LAP RAIL SECTION IN DIRECTION OF TRAFFIC

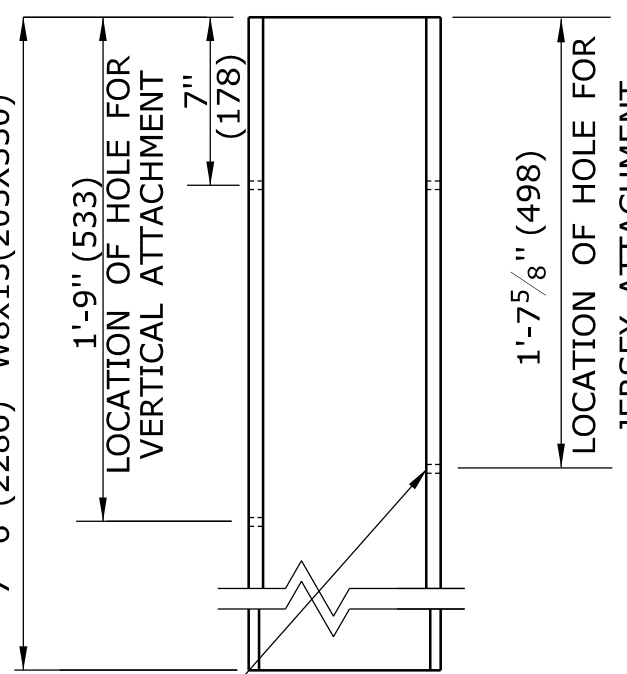


ELEVATION

R-B 350 PLASTIC  
BLOCKOUT DETAIL



W6x8.5 POST  
(W150x13)  
6'-0"(1829) LONG






W8x13 POST  
(W200x19)  
7'-6"(2286) LONG

BOLT HOLE LAYOUT FOR W8x13(W200x19)  
AND W6x8.5 (W150x13)UNIFORM POST

(REFER TO GENERAL NOTES)

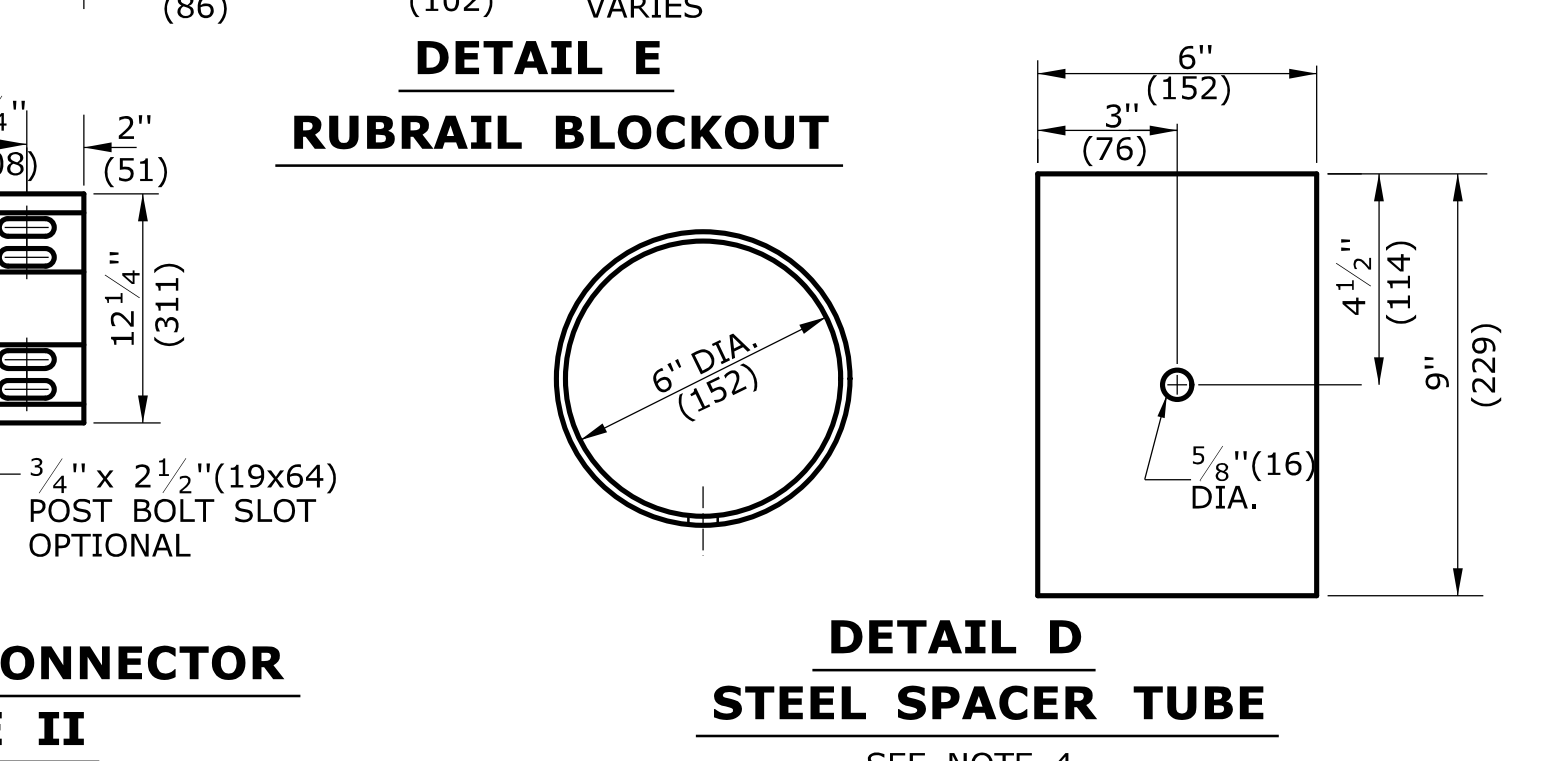
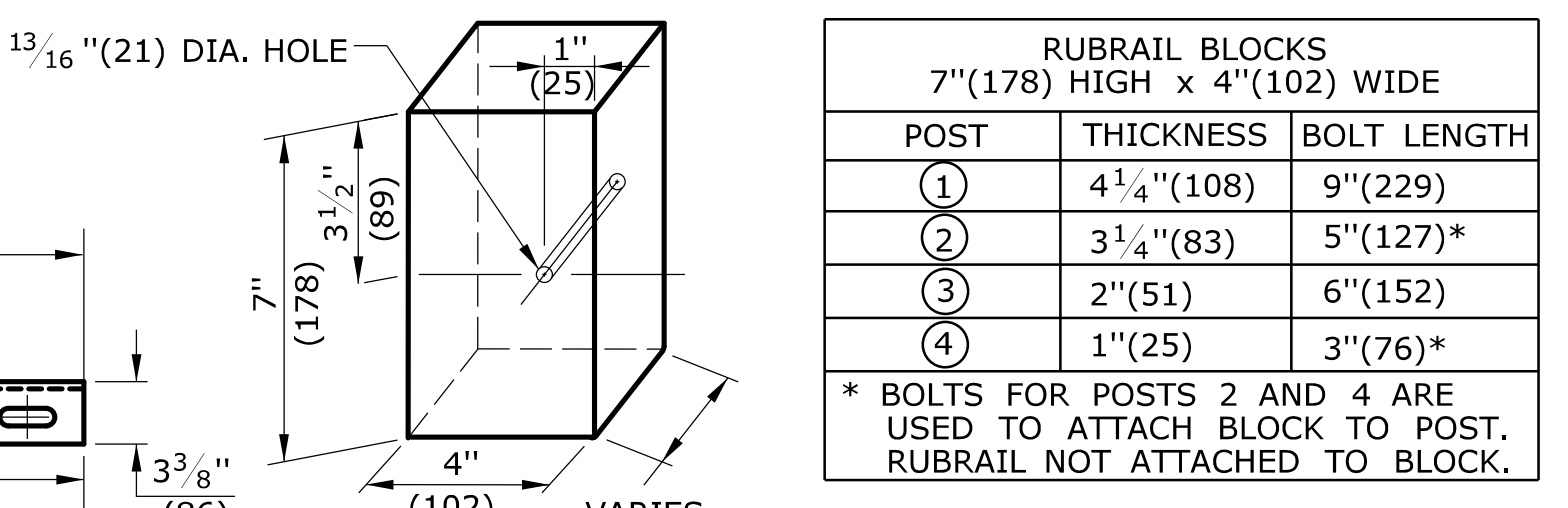
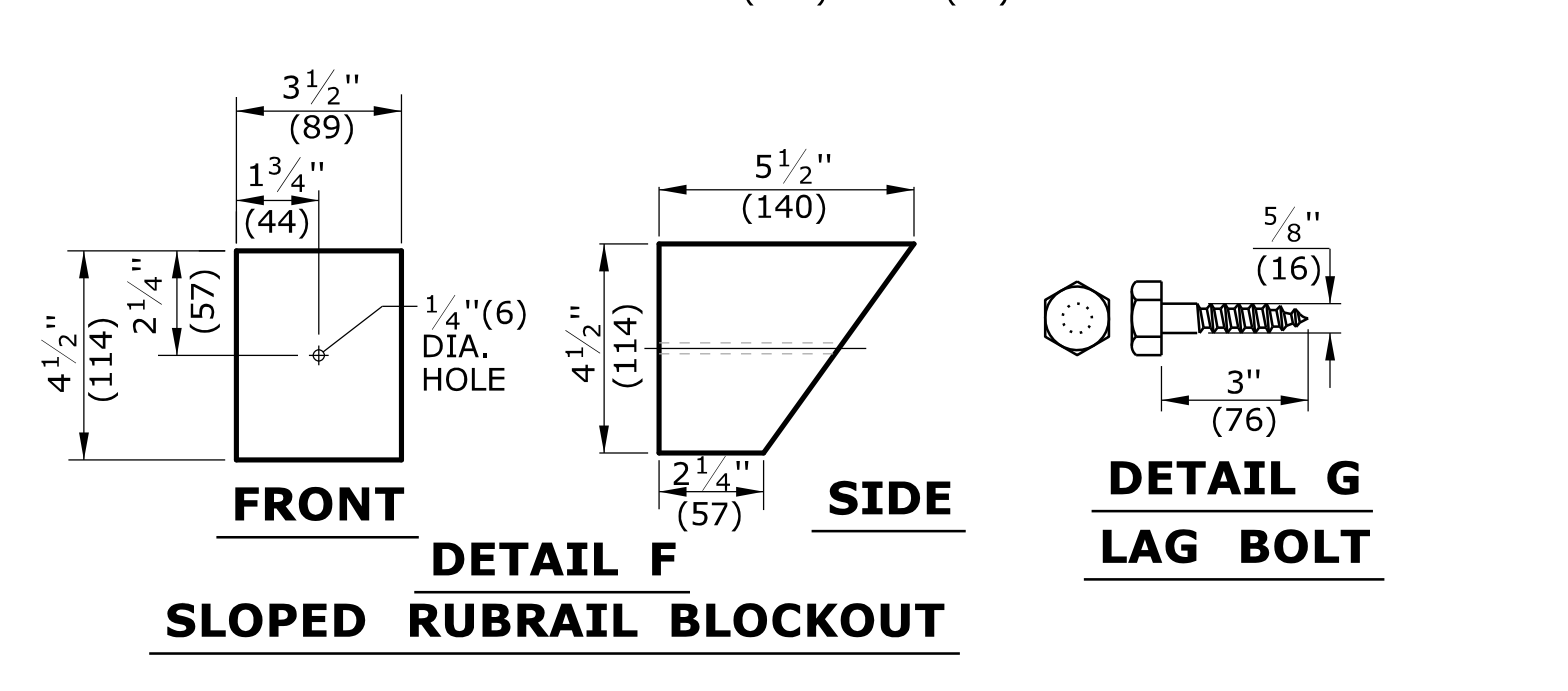
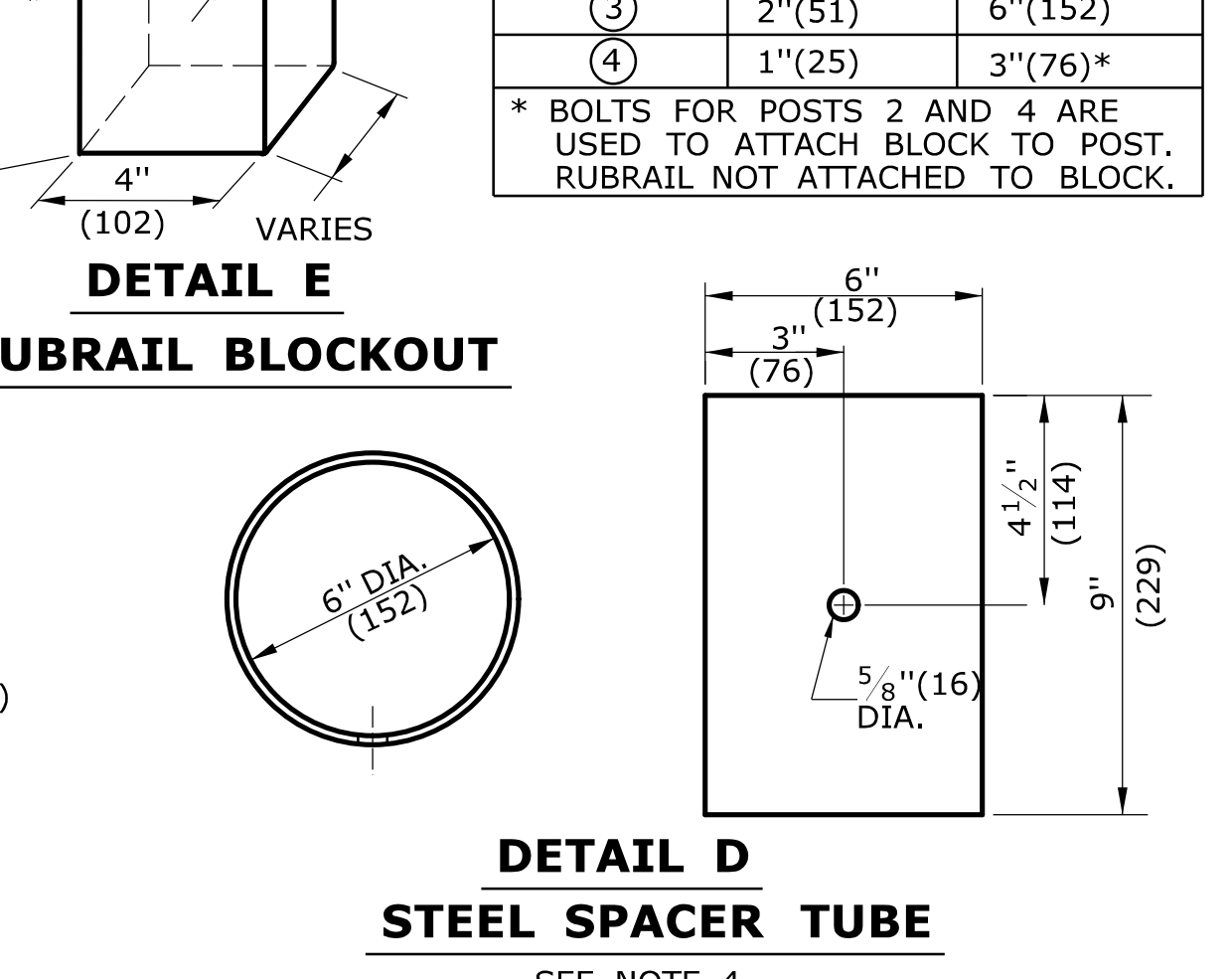
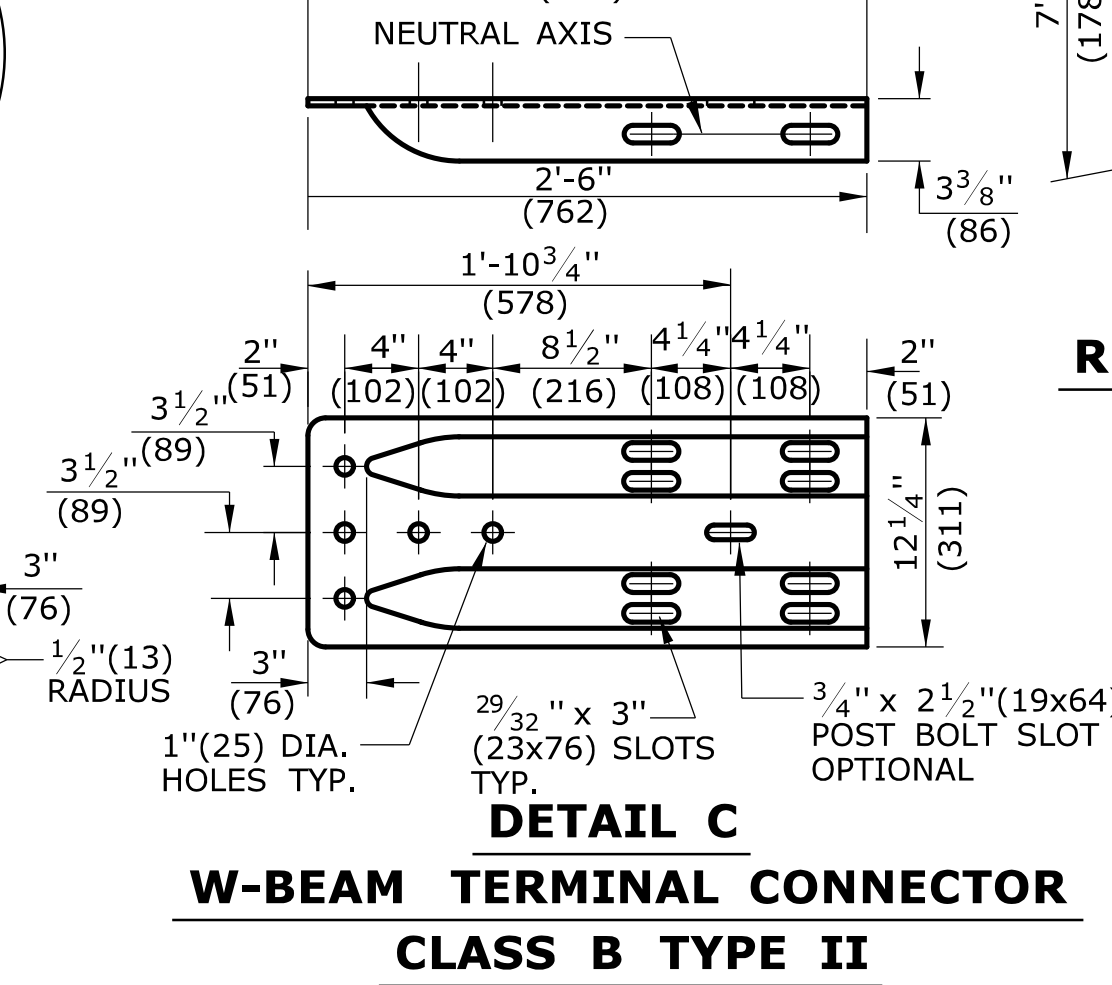
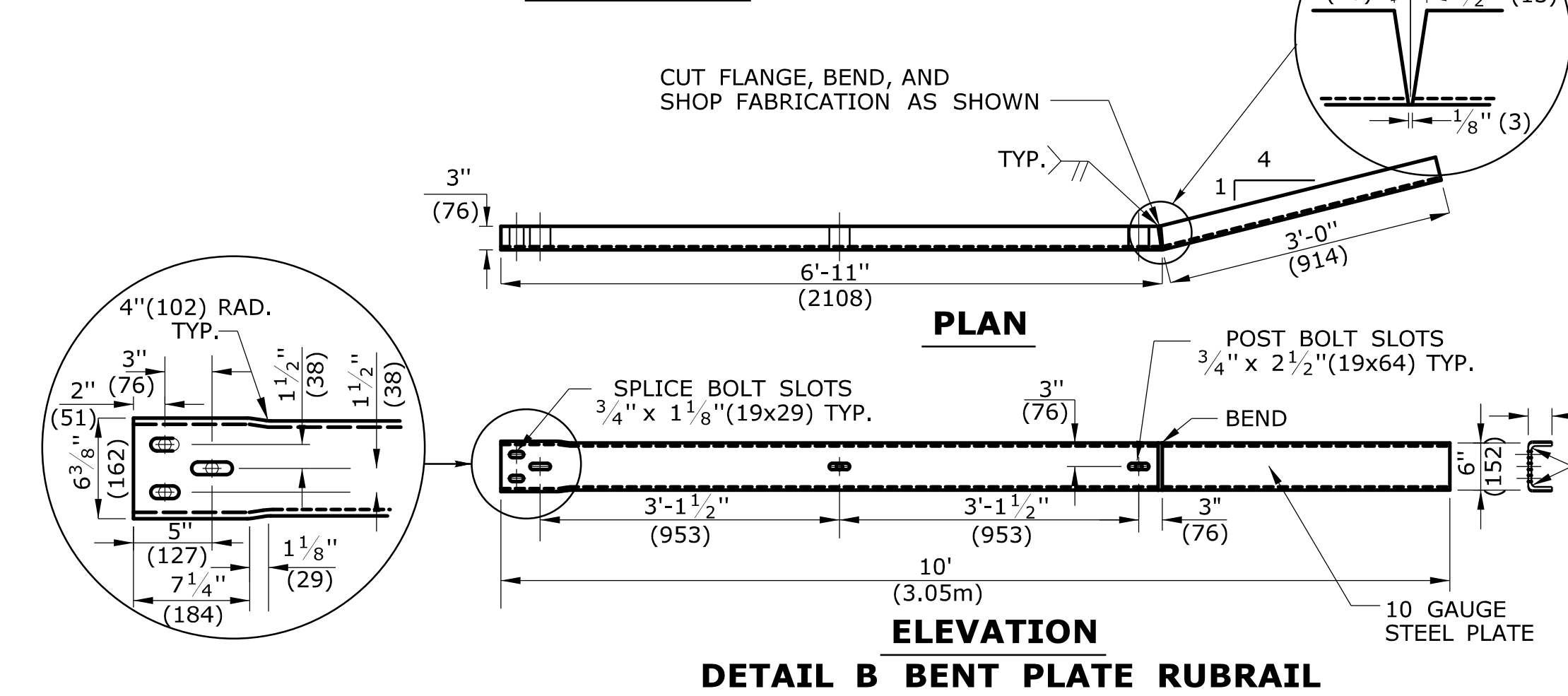
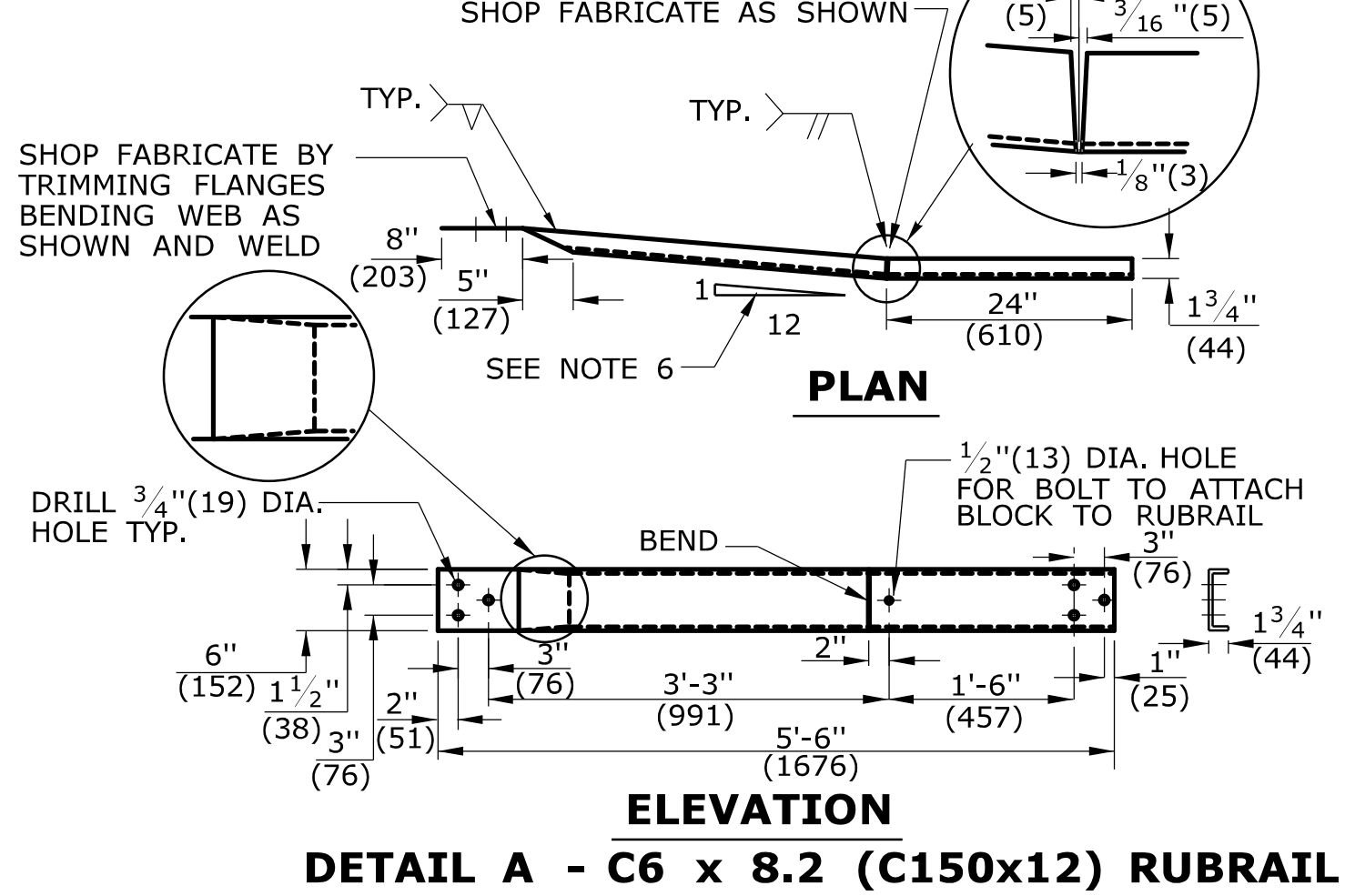
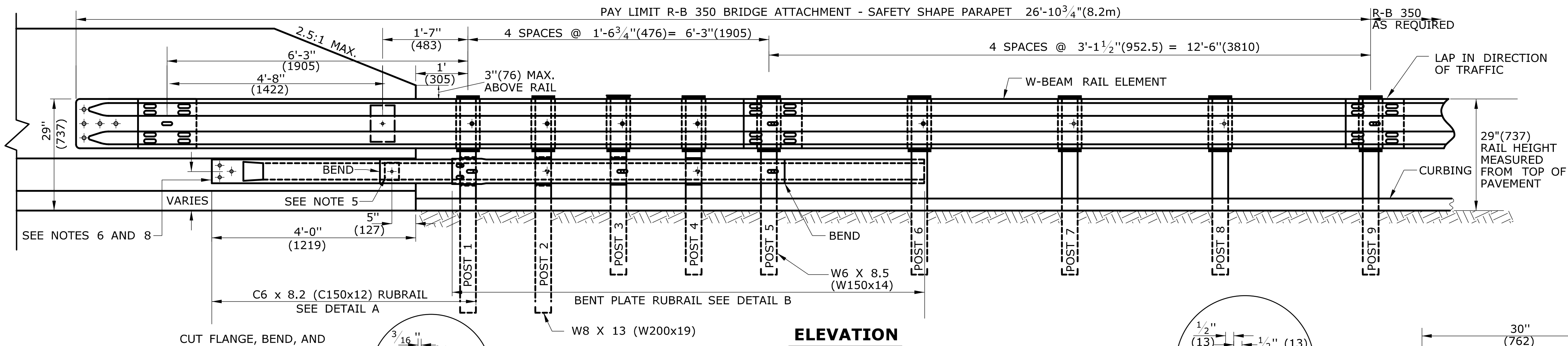
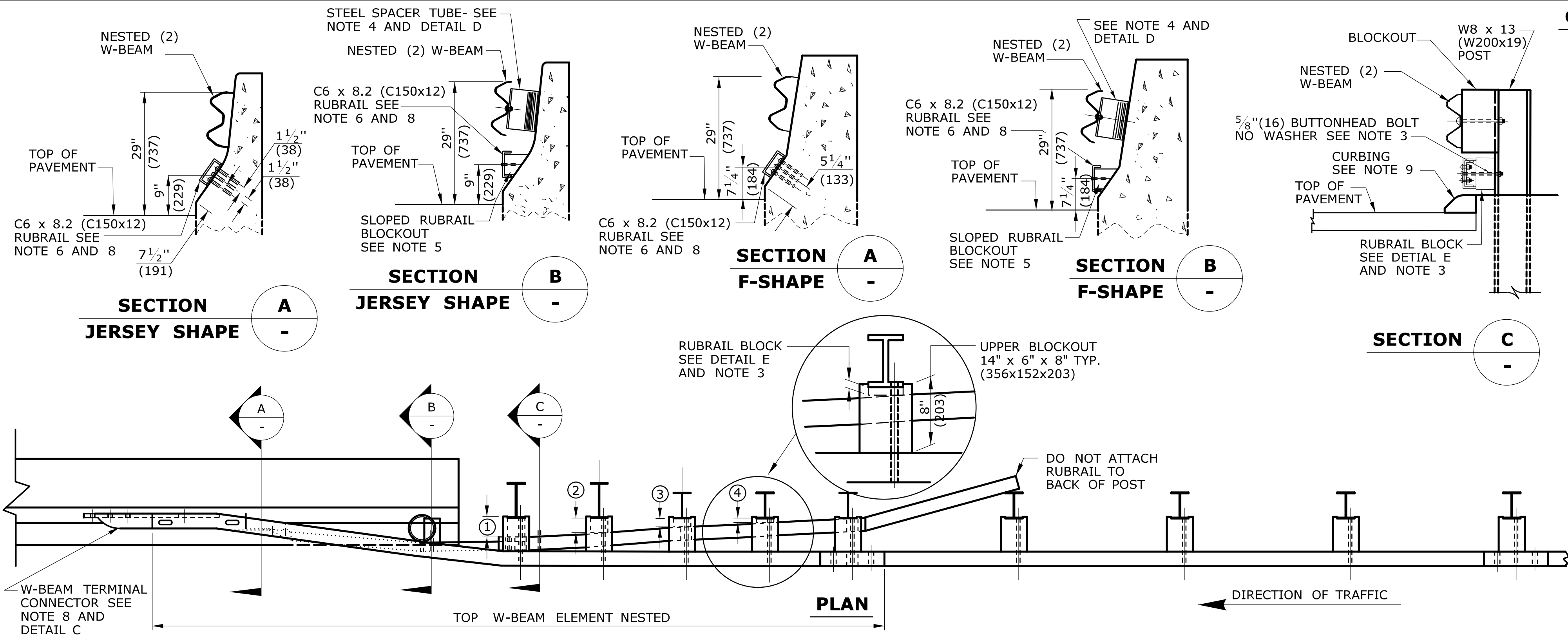
ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.

1	6/11	REMOVE WEATHERING STEEL NOTES	-	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	NOT TO SCALE	 <b>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</b>	SUBMITTED BY:  NAME/DATE/TIME: Digitally signed by Len Fortanne DN: cn=Len Fortanne, o=Department of Transportation, email=Len.Fortanne@dot.state.ct.us, c=United States of America, Date: 2011.06.09 15:12:16 -0400	<b>CTDOT STANDARD SHEET</b>	STANDARD SHEET TITLE:  <b>W-BEAM METAL BEAM RAIL HARDWARE</b>	STANDARD SHEET NO.:  <b>HW-910_01</b>
-	-	-	-	-	-	APPROVED BY:  NAME/DATE/TIME: James H. Norman 2011.06.09 15:12:16 -0400	<b>OFFICE OF ENGINEERING</b>			
REV.	DATE	REVISION DESCRIPTION	Plotted Date: 5/10/2011	Filename: CTDOT_HIGHWAY.STD_JUNE2011.dgn Model: 36-HW-910_01						



[illegible]

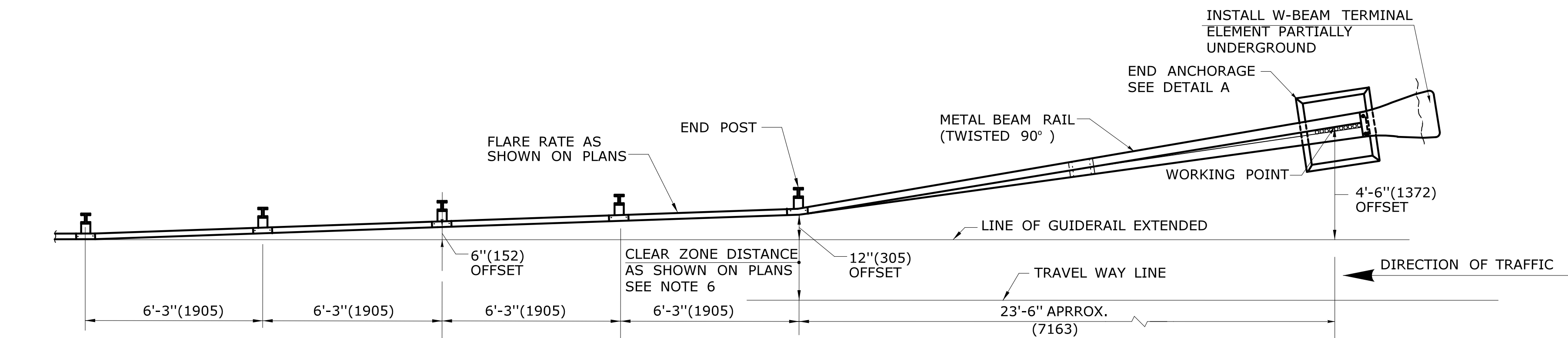




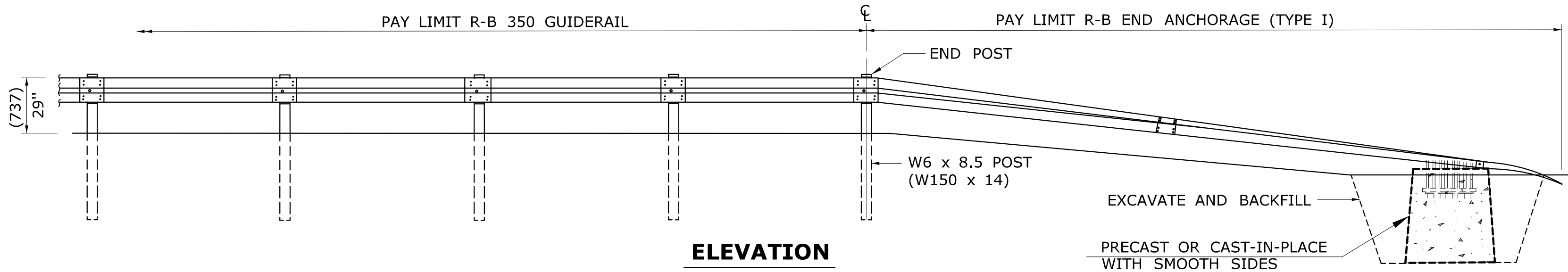
ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.

1	6/11	REVISED NOTE 8 FOR USE OF CHEMICAL ANCHORS AND PAY ITEM CHANGED TO SAFETY SHAPE.	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	NOT TO SCALE	<p><b>STATE OF CONNECTICUT</b> <b>DEPARTMENT OF TRANSPORTATION</b></p>	SUBMITTED BY: APPROVED BY: NAME/DATE/TIME: James H. Norman 2011.06.09 15:14:22 -04'00'	<b>CTDOT</b> <b>STANDARD SHEET</b> <b>OFFICE OF ENGINEERING</b>	STANDARD SHEET TITLE: <b>R-B 350 BRIDGE ATTACHMENT TO SAFETY SHAPE PARAPET</b>	STANDARD SHEET NO.: <b>HW-910_06</b>
REV.	DATE	REVISION DESCRIPTION	Plotted Date: 5/10/2011	Filename: CTDOT_HIGHWAY STD_JUNE2011.dgn Model: 41 - HW-910_06					



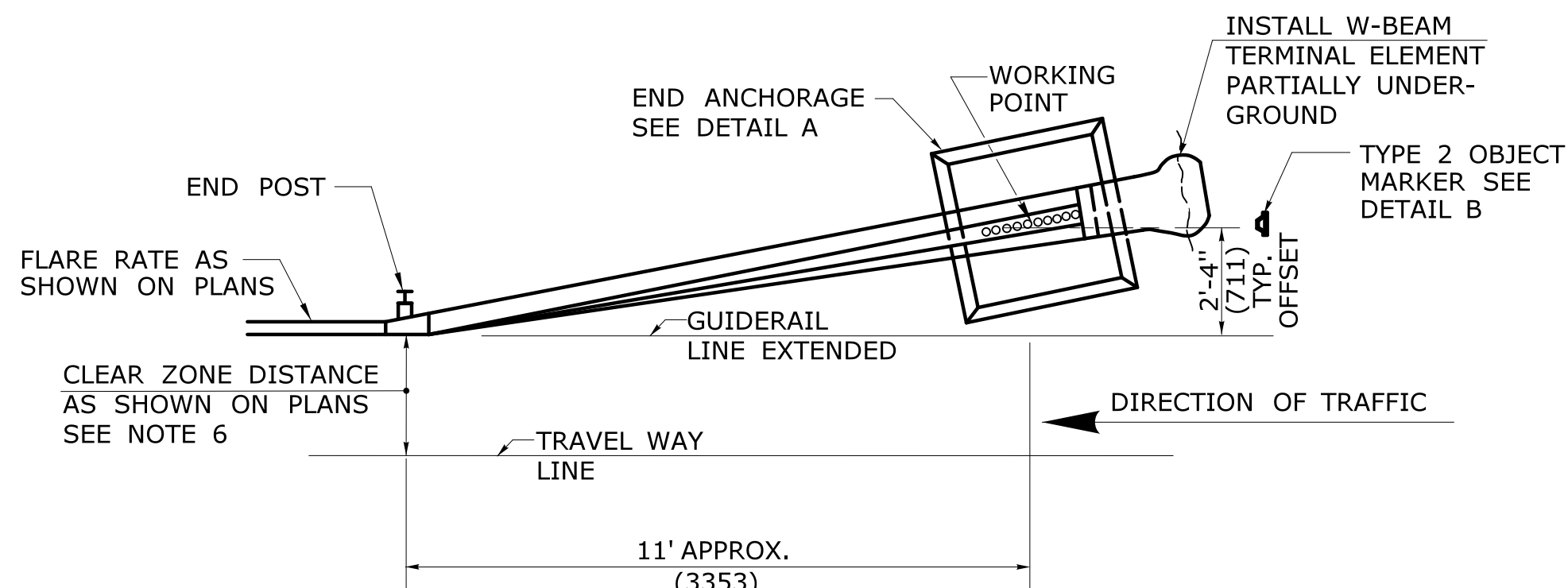


PLAN

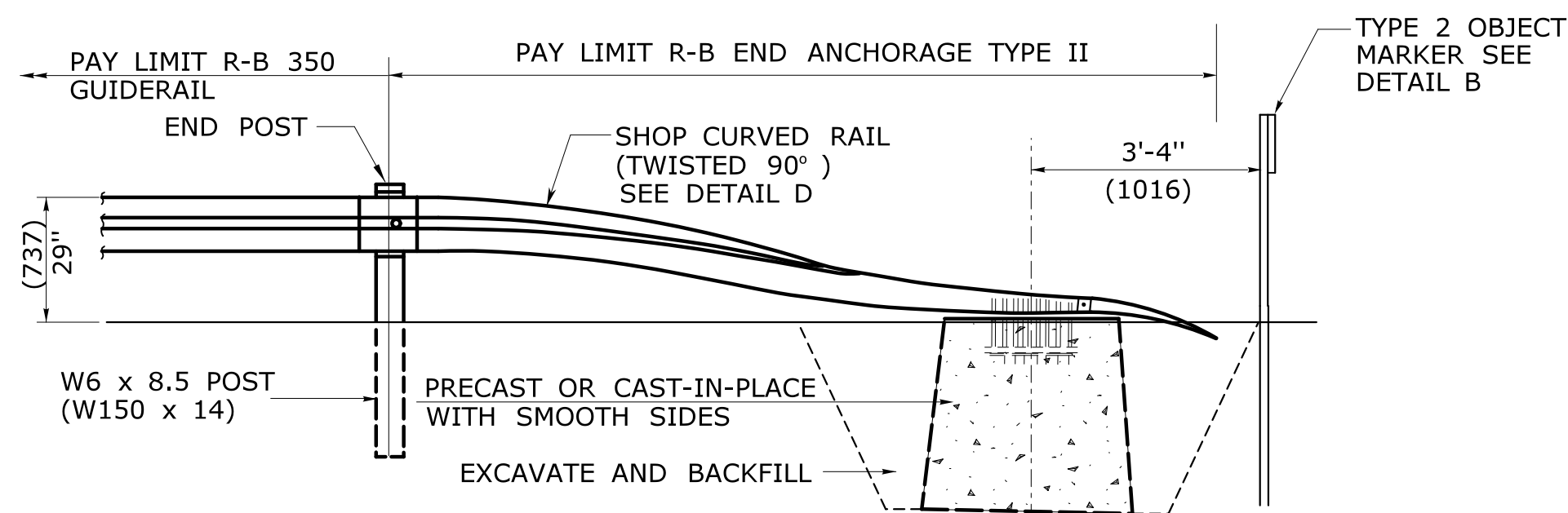


ELEVATION

**R-B END ANCHORAGE TYPE I  
(ROADSIDE APPLICATION)**

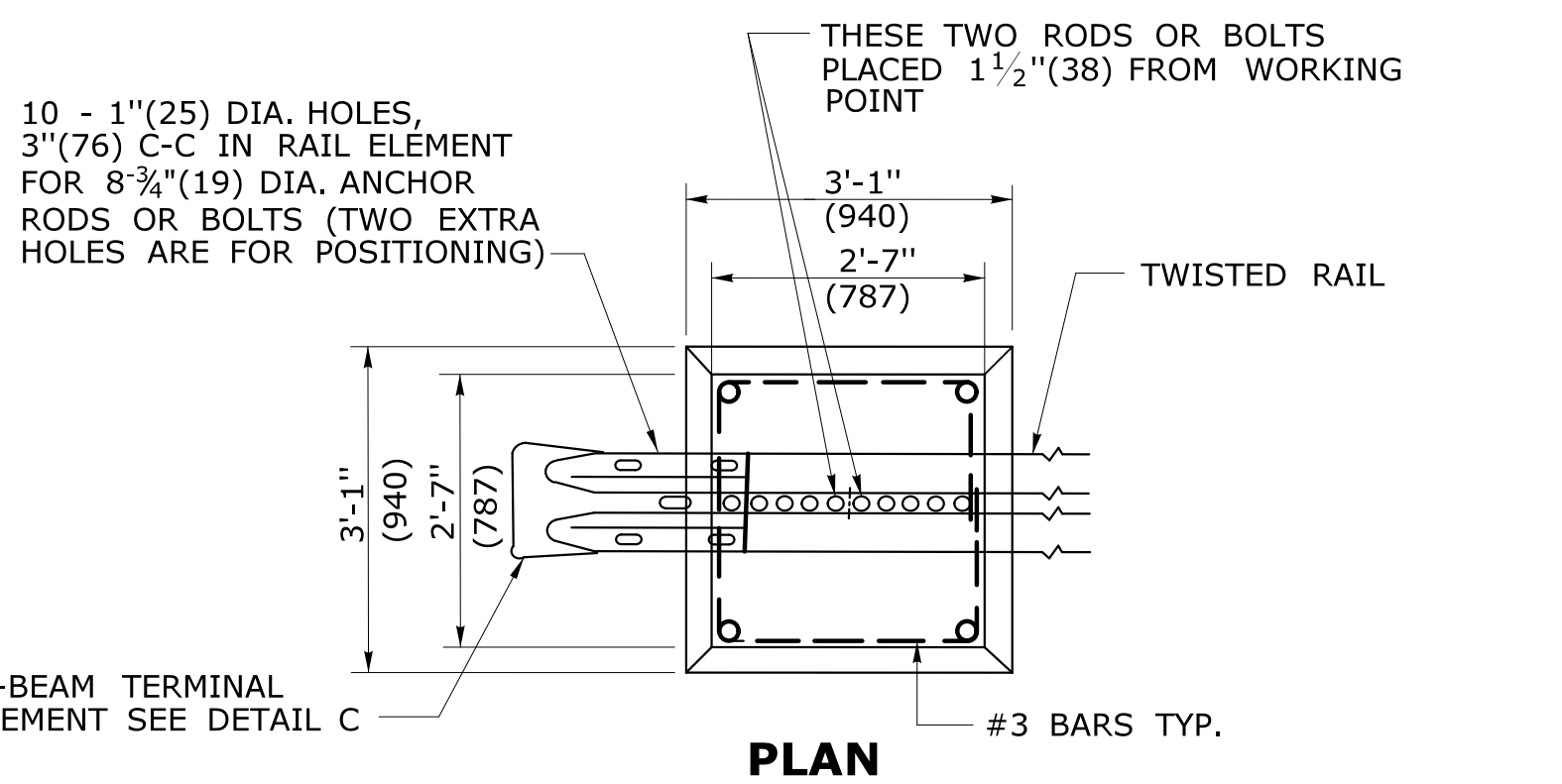


PLAN

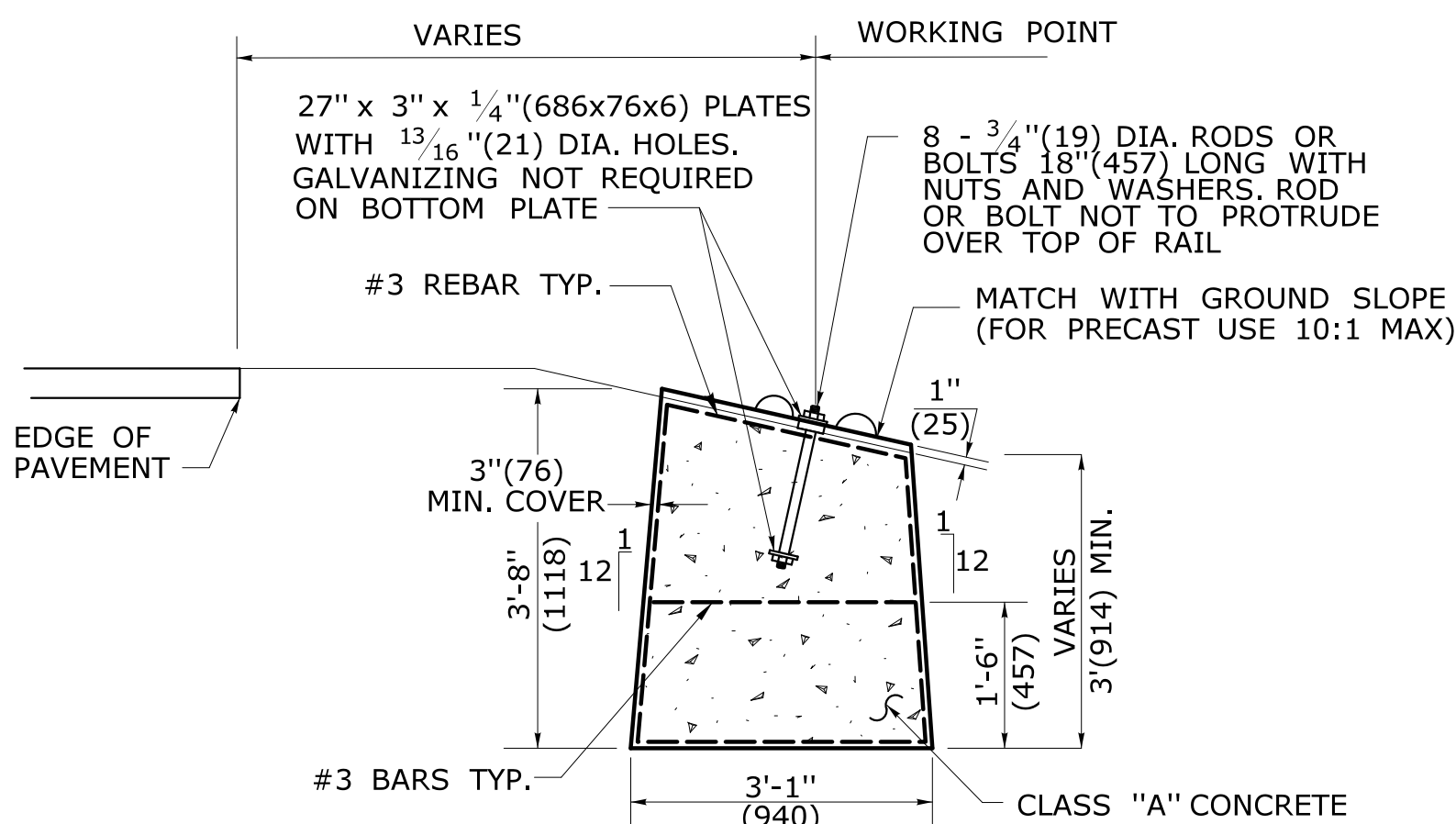


ELEVATION

**R-B END ANCHORAGE TYPE II**  
SEE NOTE 2



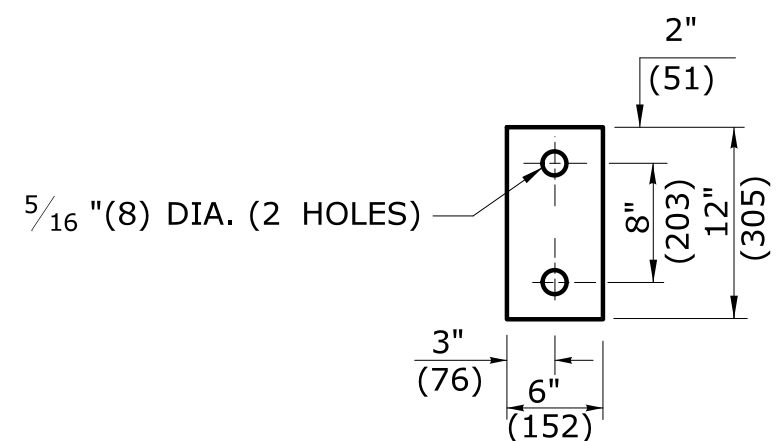
PLAN



ELEVATION

**DETAIL A  
ROADSIDE CONCRETE END ANCHOR**

SEE NOTE 4

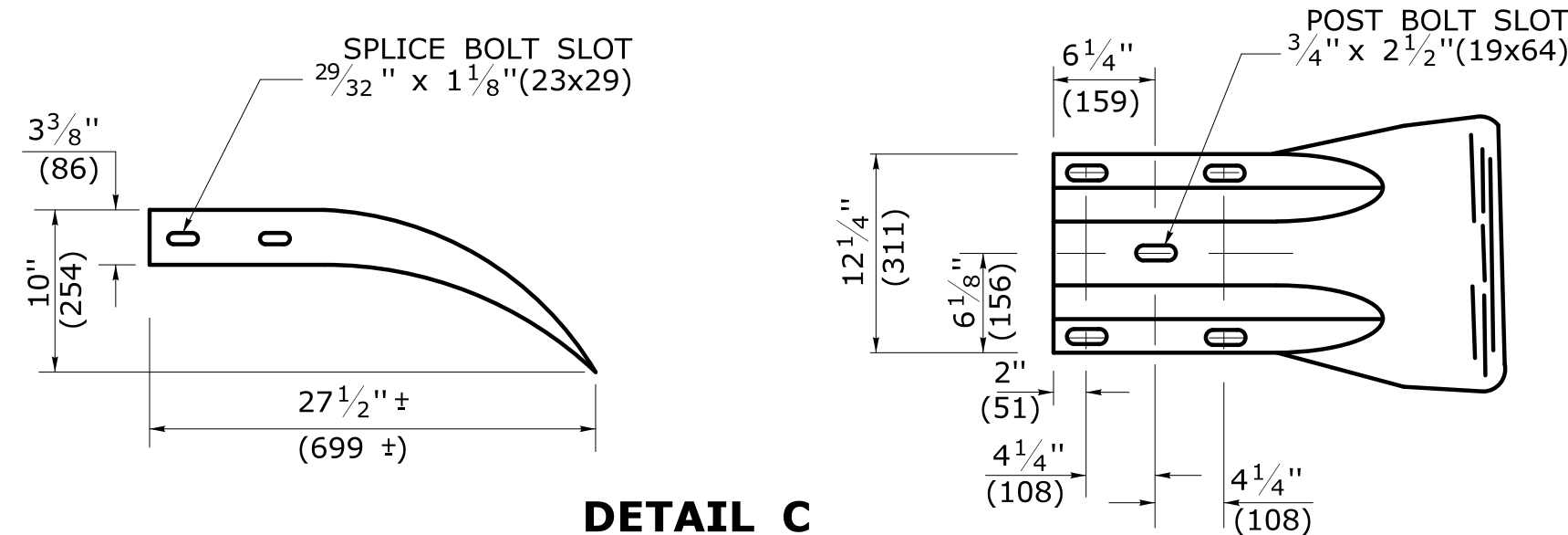


DETAIL B

**TYPE 2 OBJECT MARKER**

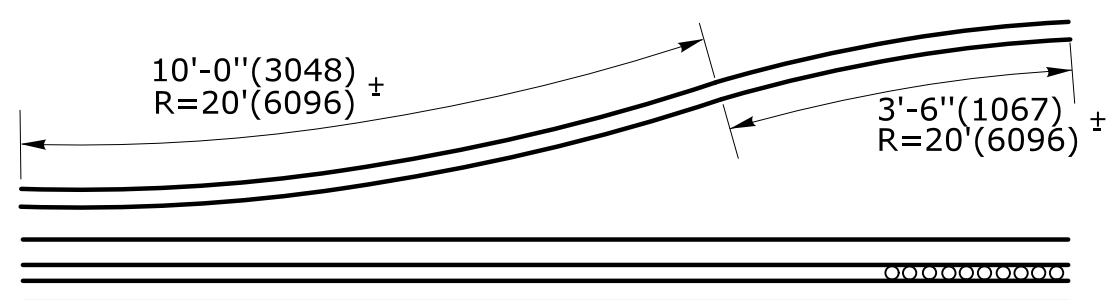
SIGN # 51-5030

OBJECT MARKER FACE SHALL BE YELLOW TYPE III RETROREFLECTORIZED. THE BOTTOM OF TYPE 2 OBJECT MARKER SHALL BE 4'(1219) ABOVE GROUND LEVEL MOUNTED ON METAL DELINEATOR POST. IT SHALL BE USED TO IDENTIFY CULVERT ENDS AND TYPE II END ANCHORS, OR AS DIRECTED BY THE ENGINEER.



DETAIL C

**W-BEAM TERMINAL ELEMENT**



DETAIL D

**SHOP CURVED RAIL**

SEE NOTE 3

**GENERAL NOTES:**

1. R-B END ANCHORAGE TYPE I INSTALLED ON FREEWAYS AND RAMPs SHALL USE CLASS B (10 GAUGE) TERMINAL AND W-BEAM RAIL ELEMENTS. ALL OTHER R-B END ANCHORAGE TYPE I SHALL USE CLASS A (12 GAUGE) TERMINAL AND W-BEAM RAIL ELEMENTS.
2. R-B END ANCHORAGE TYPE II SHALL USE CLASS A (12 GAUGE) TERMINAL AND W-BEAM RAIL ELEMENTS.
3. OTHER RADII WHICH CAN BE DEMONSTRATED TO PROVIDE THE INSTALLATIONS SHOWN FOR END ANCHORAGE TYPE II MAY BE APPROVED.
4. J-HOOK BOLTS MAY BE SUBSTITUTED FOR BOTTOM PLATE ANCHORAGE IN CONCRETE END ANCHORS USING THE SAME SIZE, STRENGTH, AND LENGTH AS NOTED ON THE PLANS.
5. MINIMUM RAIL HEIGHT FOR NEW CONSTRUCTION SHALL BE 29" (737) + 1' (25).
6. R-B TYPE I END ANCHOR: INSTALL LEADING END USING DESIGN CLEAR ZONE DISTANCE MEASURED FROM TRAVEL WAY LINE TO END POST AS SHOWN ON PLANS, THEN PLACE CONCRETE ANCHOR 4'-6" (1372) FROM THE LINE OF GUIDERAIL EXTENSION. INSTALL TRAILING END ON DUAL DIRECTION ROADWAYS IN THE SAME MANNER EXCEPT MEASURE CLEAR ZONE FROM THE DOUBLE YELLOW LINE. INSTALL TRAILING END ON SINGLE DIRECTION ROADWAYS MEASURED FROM THE GUIDERAIL LINE EXTENDED AND OFFSET 4'-6" (1372).

R-B TYPE II END ANCHOR: INSTALL ONLY ON ROADWAYS WITH DESIGN SPEEDS < 45mph (72kph). FOR DUAL DIRECTION ROADWAYS, INSTALL IN THE SAME MANNER AS TYPE I END ANCHOR FOR BOTH LEADING AND TRAILING END USING DESIGN CLEAR ZONE DISTANCE EXCEPT PLACE CONCRETE ANCHOR 2'-4" (711) MEASURED FROM THE LINE OF GUIDERAIL EXTENDED. INSTALL TRAILING END ON SINGLE DIRECTION ROADWAYS MEASURED FROM THE GUIDERAIL LINE EXTENDED AND OFFSET 2'-4" (711).

7. SEE HW-911.04 FOR TYPICAL END ANCHOR GRADING PLAN.

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.

1	6/11	REVISED TYPE I AND II ANCHOR FOR CLEAR ZONE PLACEMENT	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	NOT TO SCALE	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SUBMITTED BY: [Signature] NAME/DATE/TIME: [Blank] APPROVED BY: [Signature] NAME/DATE/TIME: James H. Norman 2013.07.24 14:55:36-04'00'	CTDOT STANDARD SHEET OFFICE OF ENGINEERING	STANDARD SHEET TITLE: R-B END ANCHORAGE TYPE I AND II	STANDARD SHEET NO.: HW-911_01
2	7/13	ADD POST OFFSET DISTANCE	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
REV.	DATE	REVISION DESCRIPTION	Plotted Date: 6/13/2013	Filename: CTDOT-HIGHWAY-STD2013.dgn	Model: 70 - HW-911_01				



GENERAL NOTES:

1. THE PLACEMENT OF THE FACE OF GUIDERAIL SHALL BE AS FOLLOWS:

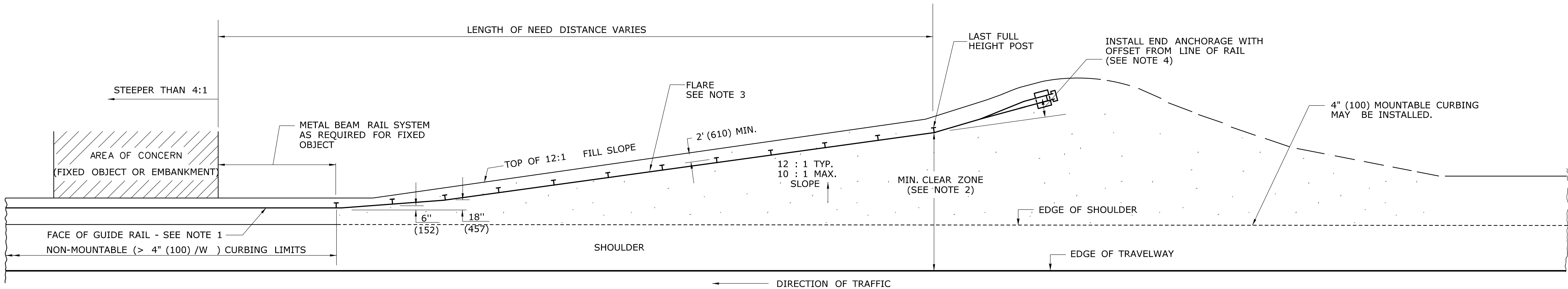
WITHOUT CURBING: FACE OF GUIDERAIL MAY BE PLACED BEYOND THE EDGE OF SHOULDER. REFER TO GUIDERAIL STANDARD SHEETS FOR CRITERIA OF RAIL PLACEMENT ON SLOPES AND DESIGN DEFLECTION DISTANCES.

WITH CURBING: FACE OF GUIDERAIL MUST BE PLACED FLUSH WITH FACE OF CURBING.

2. LEADING END TURN-DOWN END ANCHOR MUST BE INSTALLED OUTSIDE DESIGN CLEAR ZONE. FOR TRAILING END TURN-DOWN END ANCHORS ON DUAL DIRECTION ROADWAYS, THIS DISTANCE IS MEASURED FROM THE CENTER LINE. CLEAR ZONE VARIES. SEE PLANS.





3. FLARE RATE VARIES BASED ON DESIGN SPEED OF ROAD. SEE PLANS.

4. TURN-DOWN END ANCHOR OFFSET DISTANCE MAY VARY BASED ON ANCHOR TYPE INSTALLED. SEE HW-911\_01 AND PLANS.



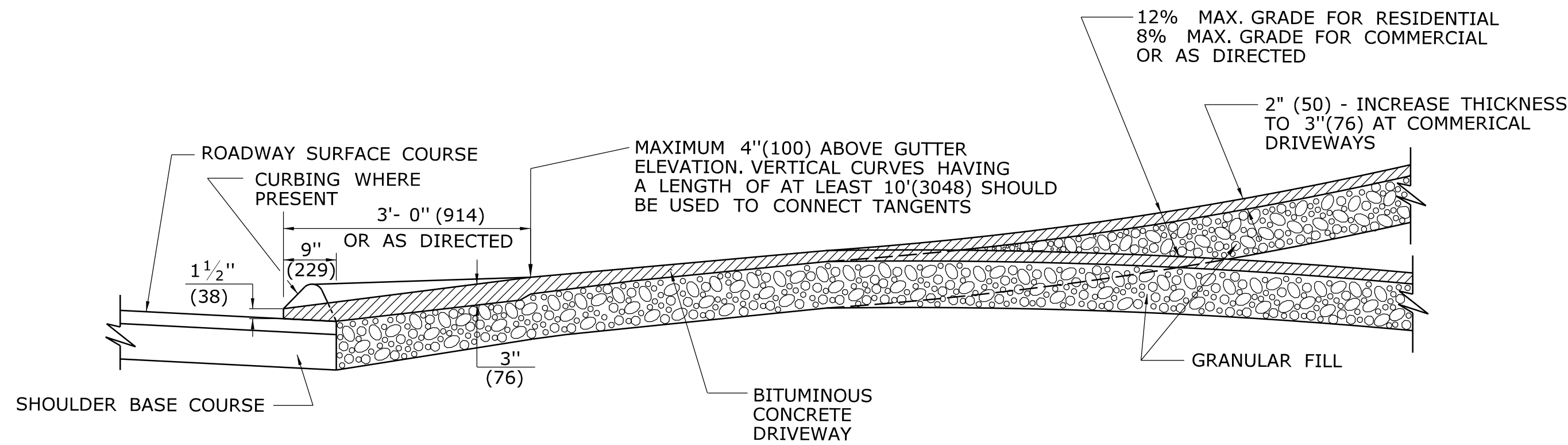
TYPICAL GRADING FOR GUIDERAIL TURN-DOWN END ANCHOR APPROACH TO AREA OF CONCERN

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.

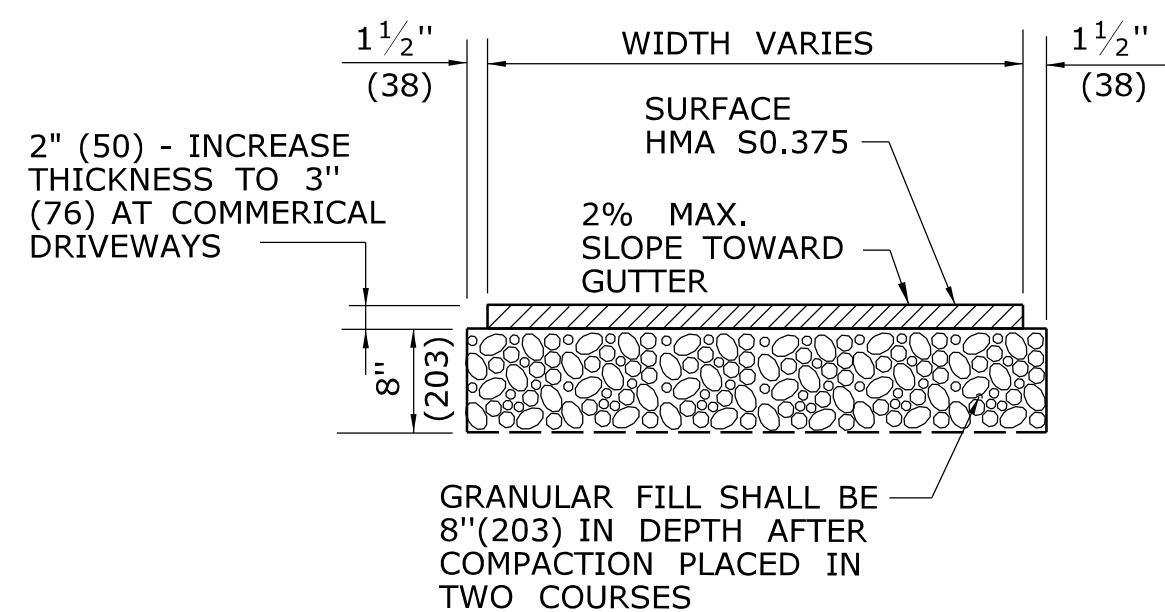
1 6/11		ADDED NOTE 4, REVISED TITLE AND NOTES	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	NOT TO SCALE	 <b>STATE OF CONNECTICUT</b> <b>DEPARTMENT OF TRANSPORTATION</b> 	SUBMITTED BY: NAME/DATE/TIME:  Digitally signed by Leo Fontaine DN: cn=Leo Fontaine, ou=Department of Transportation, email=Leo.Fontaine@dot.gov, o=State of Connecticut, c=US Date: 2011.06.09 15:35:57 -04'00'		<b>CTDOT STANDARD SHEET</b>	STANDARD SHEET TITLE: <b>TYPICAL GRADING PLAN FOR W-BEAM GUIDERAIL TURN-DOWN END ANCHOR</b>	STANDARD SHEET NO.: <b>HW-911_04</b>
-		-				APPROVED BY: NAME/DATE/TIME:  James H. Norman 2011.06.09 15:35:57 -04'00'				
-		-								
-		-								
-		-								
REV.	DATE	REVISION DESCRIPTION	Plotted Date: 6/4/2011		Filename: CTDOT_HIGHWAY STD_JUNE2011.dgn Model: 63 - HW-911_04			<b>OFFICE OF ENGINEERING</b>		

GENERAL NOTES:

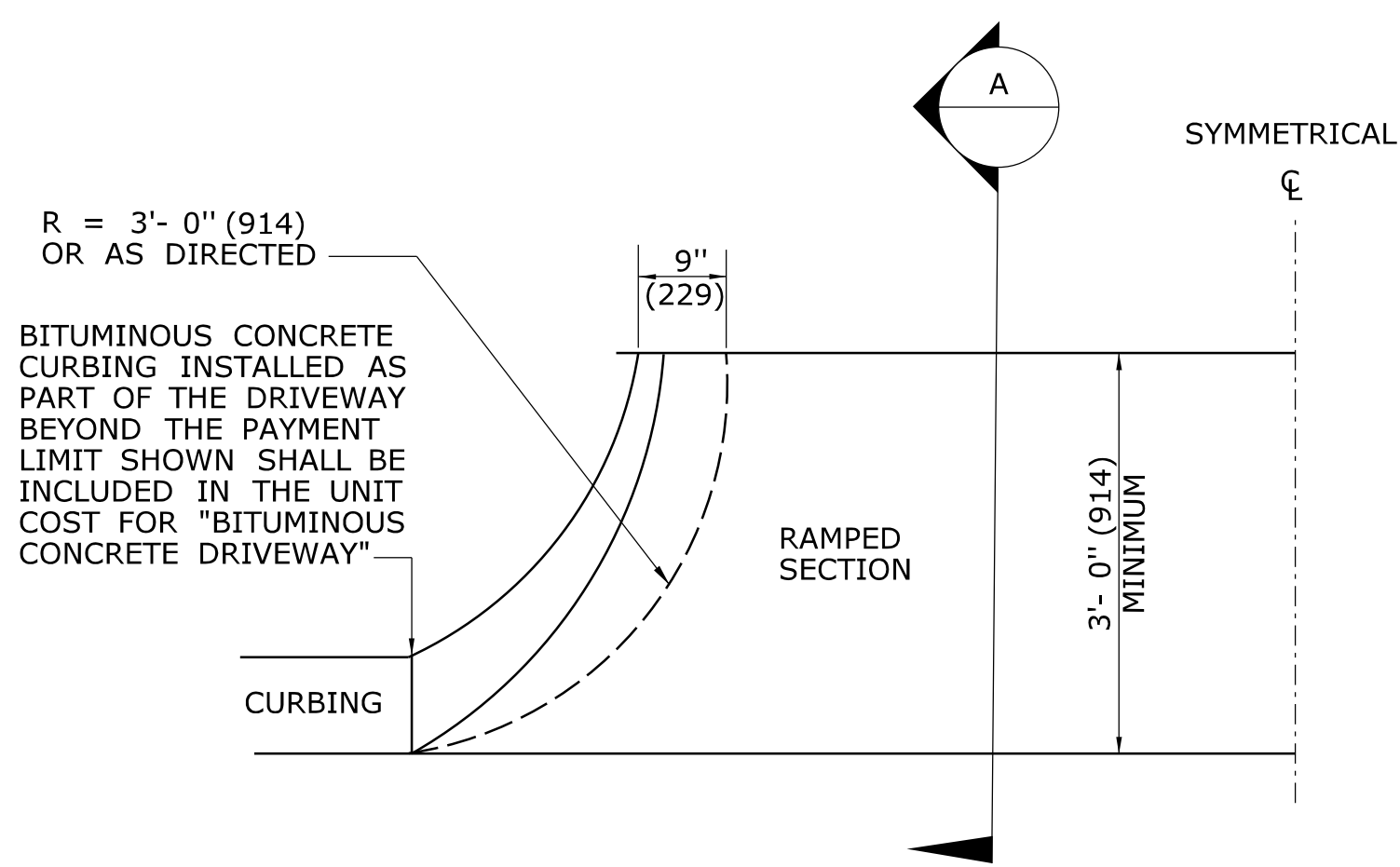
1. DRIVEWAY ENTRANCE SHALL BE A MINIMUM OF 12' (3658) WIDE, EXCLUDING CURBING WHEN PRESENT.
2. SIDEWALK RAMPS SHALL BE A MINIMUM OF 36" (914) TO 40" (1016) MAXIMUM, WITH A MAXIMUM SLOPE OF 12:1. THERE SHALL BE NO LIP AT THE DRIVEWAY SIDEWALK INTERFACE.
3. WELDED WIRE FABRIC MATS WITH REINFORCING AT CLOSER SPACING MAY BE USED.



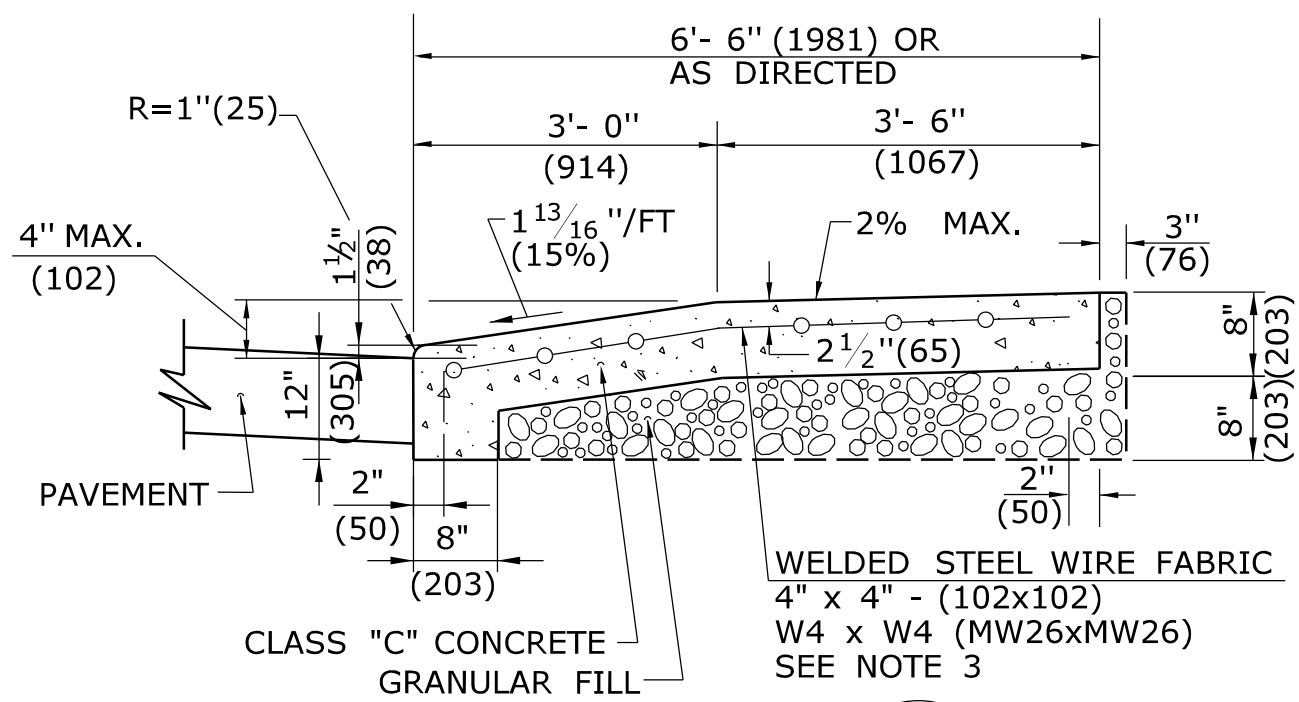
SECTION A



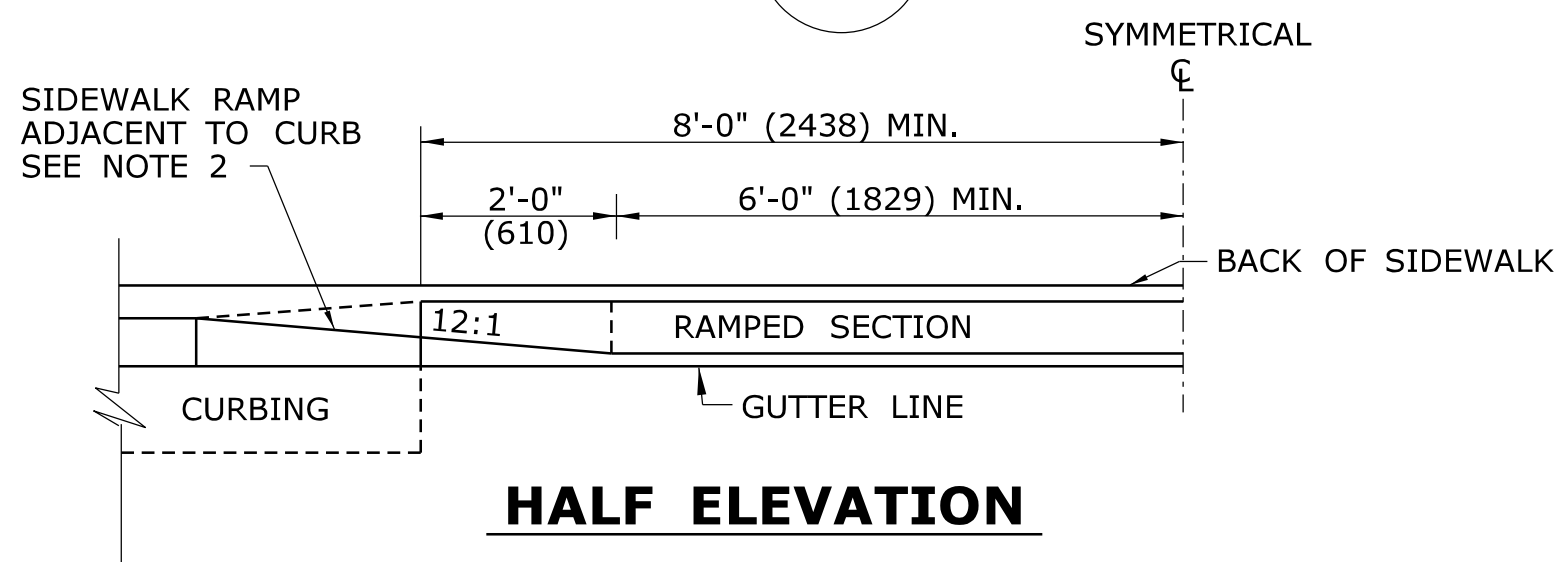
TYPICAL SECTION  
BITUMINOUS CONCRETE  
SIDEWALK AND DRIVE



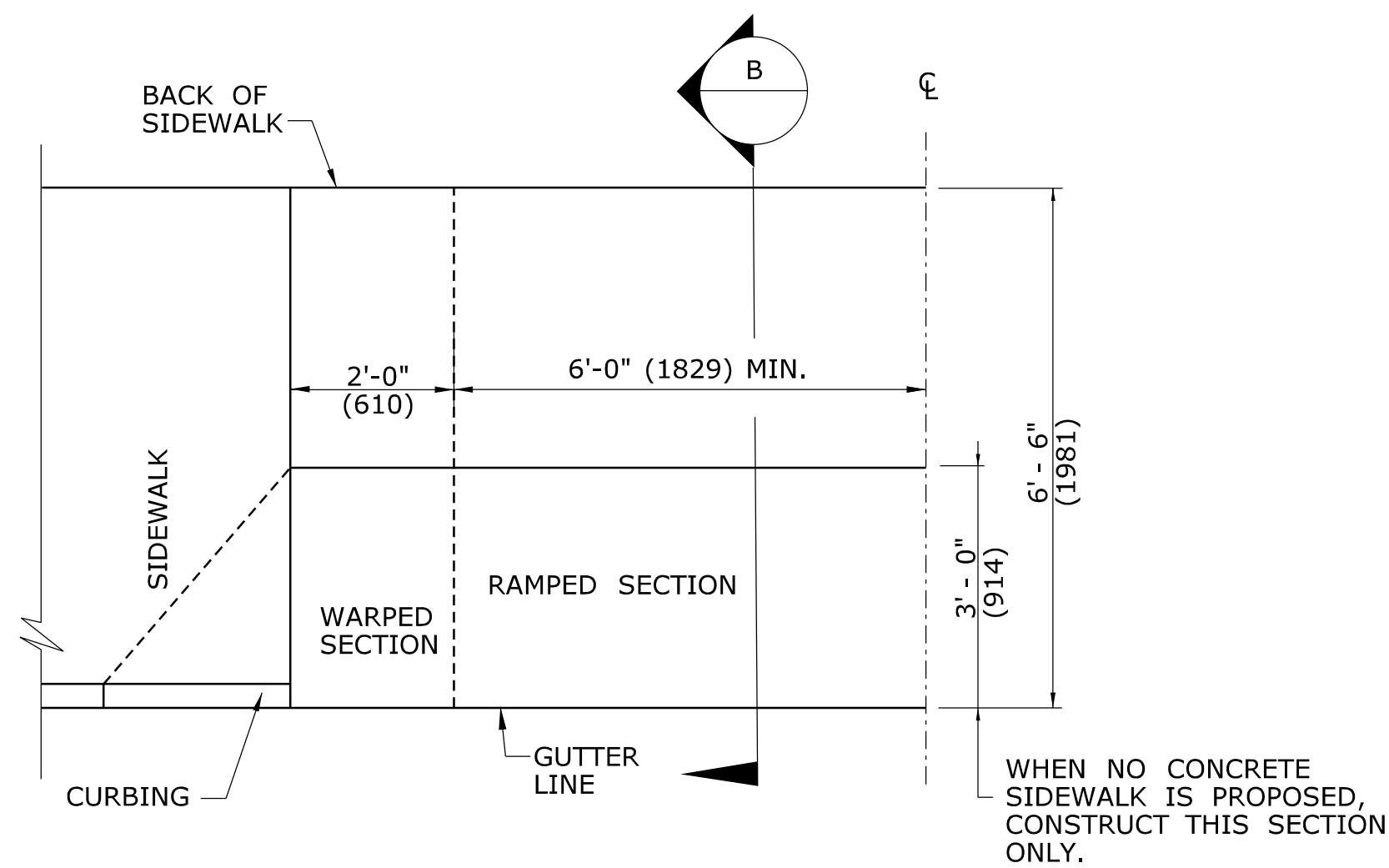
HALF BITUMINOUS CONCRETE  
DRIVEWAY PLAN



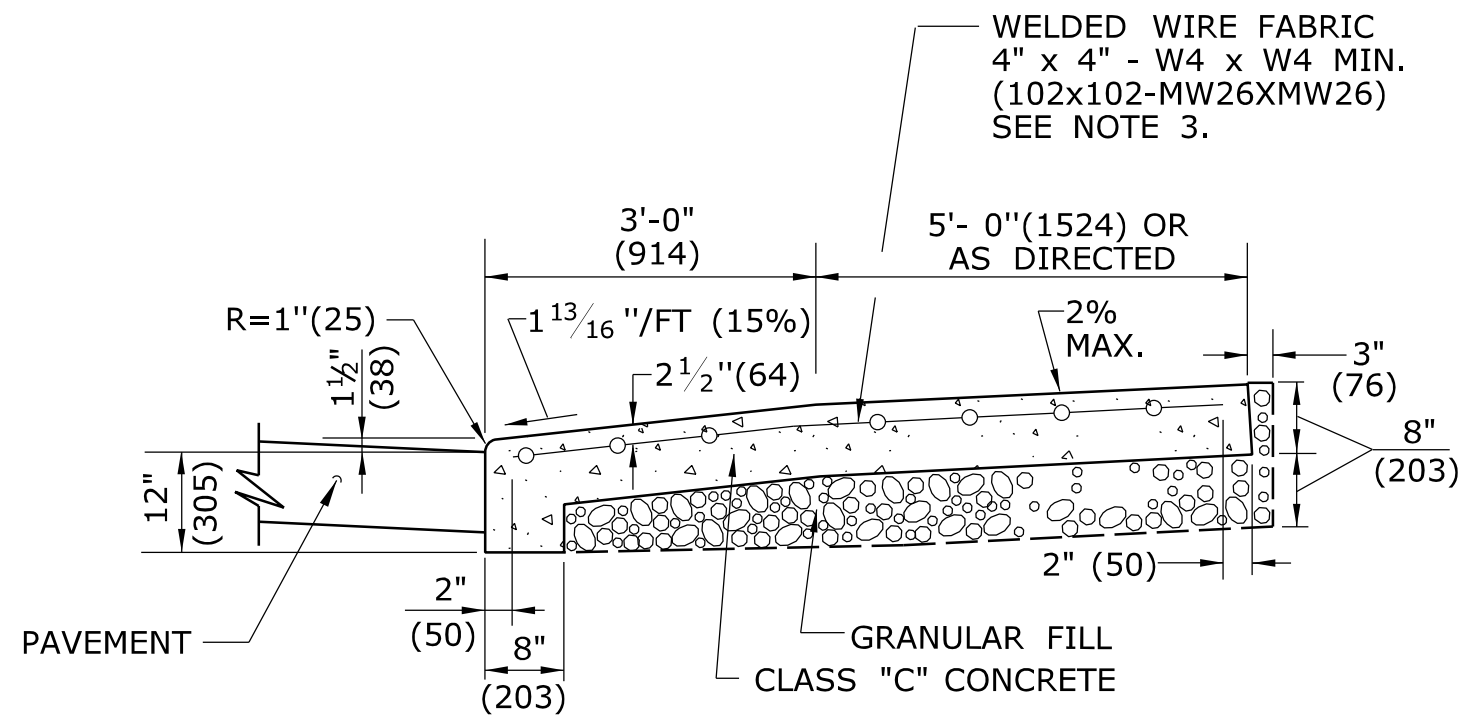
SECTION B



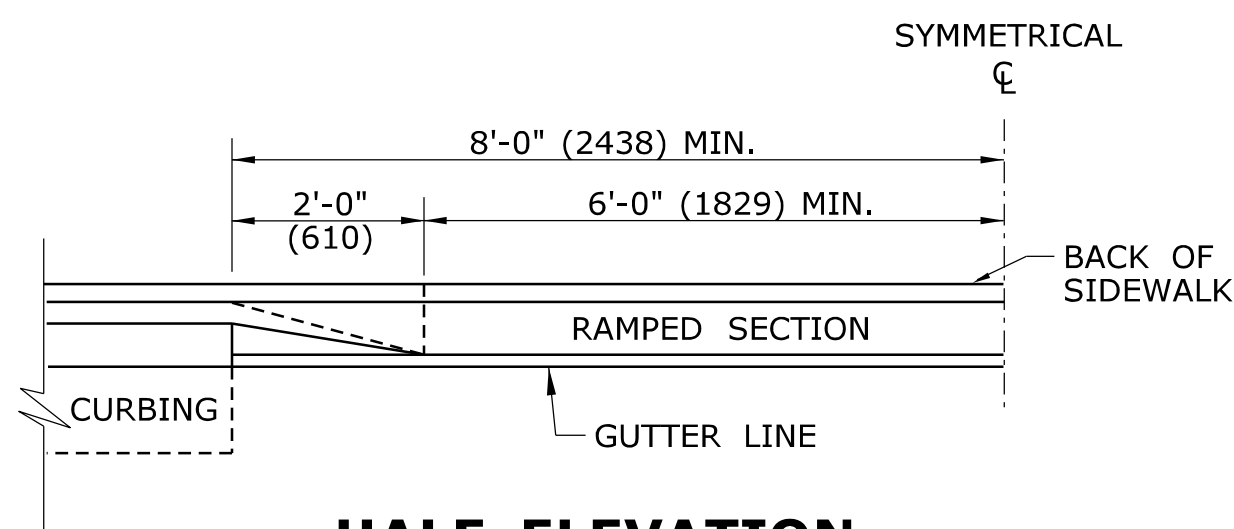
HALF ELEVATION



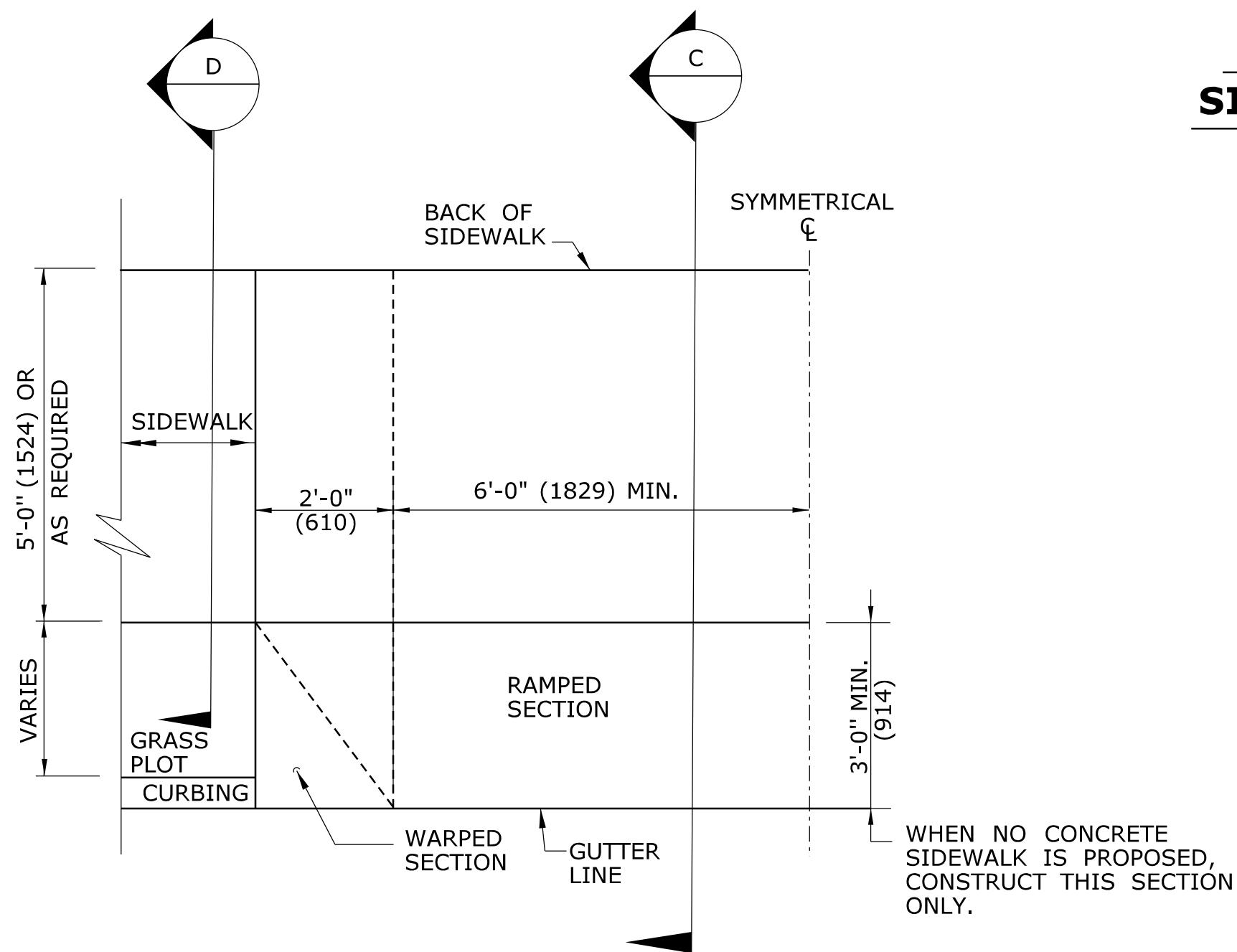
HALF PLAN OF  
CONCRETE DRIVEWAY RAMP WHERE  
SIDEWALK ADJOINS CURBING



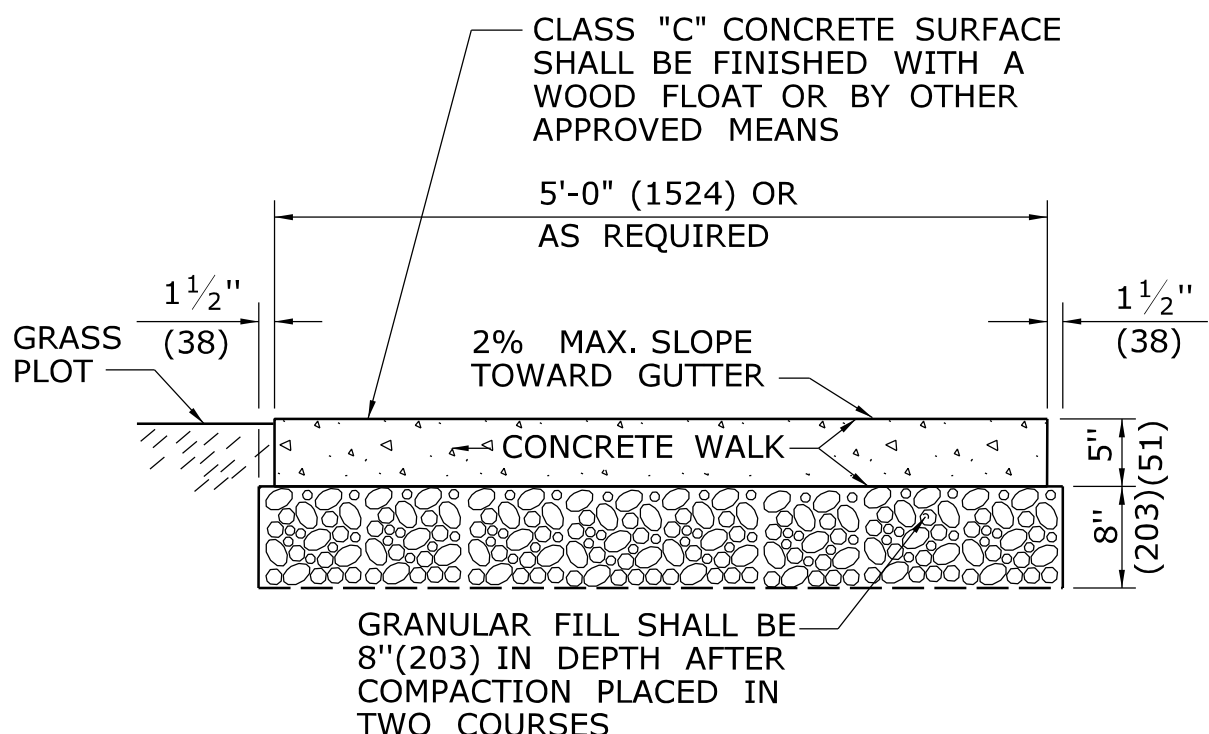
SECTION C



HALF ELEVATION






HALF PLAN OF  
CONCRETE DRIVEWAY RAMP WHERE  
CURB IS SEPARATED FROM  
SIDEWALK BY GRASS PLOT



SECTION D

5' (1524) WIDE CONCRETE  
SIDEWALK WITH GRASS PLOT

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED

1	6/01/10	REVISED BORDER TITLE	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	NOT TO SCALE	 <b>STATE OF CONNECTICUT</b> DEPARTMENT OF TRANSPORTATION	SUBMITTED BY:  Leo Fontaine 2012.01.13 13:14:45 -05'00'	NAME/DATE/TIME:  2012.01.13 13:14:45 -05'00'	<b>CTDOT</b> <b>STANDARD SHEET</b>	STANDARD SHEET TITLE:  <b>DRIVEWAY RAMPS AND SIDEWALKS</b>	STANDARD SHEET NO.:  <b>HW-921_01</b>
2	6/01/10	REVISED HALF ELEVATION DETAILS								
3	1/12	REVISE 2% MAX. SLOPE NOTE								
-	-	-								
-	-	-								
REV.	DATE	REVISION DESCRIPTION	Plotted Date: 1/9/2012	Filename: Jan2012.dgn	Model: HW-921_01	APPROVED BY:  James H. Norman 2012.01.26 15:32:44 -05'00'	NAME/DATE/TIME:  2012.01.26 15:32:44 -05'00'	<b>OFFICE OF ENGINEERING</b>		